Judith R. Martin

West Virginia Wesleyan College

2002-2004 CATALOG

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West Virginia Wesleyan College
2003-2004 Catalog Supplement

GENERAL STUDIES PROGRAM (p. 20)

Under **Global Cultural Studies**, add INDS 130 Modern Latin American Culture.

THE HONORS PROGRAM (p. 23)

Add # 6 to list of Requirements for Graduation with an Honors Degree:

Each semester, Honors students will attend at least two events, sanctioned by the Director of the Honors Program, in order to remain in good standing in the Honors Program. The Director will monitor this requirement by students adhering to the honor system.

ART (p. 31)

In **Requirements for Major**, ***Graphic Design Concentration,***

- add ART 265 Web Design
- delete "studio art elective (3 hours)"

Graphic Design Concentration (24-26 hours): ART 260, 261, 265, 361, 371, 373, 375, ART 395 (1-3 hours), ART 419, 420.

ATHLETIC TRAINING (p. 38)

In **Requirements for Major:**

- delete PHED 480: Special Topics
- add PHED 340 Advanced Topics in Nutrition: Sport Nutrition and Pharmacology
- change hours from 67-69 to 69-71.

Requirements for Major

69-71 semester hours, including PHED 130, 140, 155, 160, 163, 211, 212, 213, 214, 240, 260, 276, 311, 312, 313, 320, 325, 340, 372, 396, 401, 403, 404, 411, 412; BIOL 151, 152; CHEM 105, 106, 107L, 108L or CHEM 161, 163L, 221, 223L; PSYC 101

BIOLOGY (p. 39)

Change catalog description for BIOL 110 General Biology I

An introduction to ecology, evolution, and biological diversity. Designed for the non-science major, this course includes the basic science in each discipline and the relevance of these ideas to such important human concerns as global warming, conservation biology, and the occurrence of antibiotic resistance. Laboratories emphasize experimental design and biological diversity. Lectures include case studies and problem-solving activities. *General Biology I and General Biology II may be taken in any order.*

Add BIOL 111 General Biology II. **3 hrs.**

An introduction to cell biology, genetics, and the structure and function of plants and animals. Deisgned for the non-science major, this course includes the basic science in each discipline and the relevance of these ideas to such important human concerns as the HIV epidemic, genetic engineering, and how disease or environmental factors disrupt the normal functioning of plants and animals. Laboratories emphasize experimental design, anatomy and physiology. Lectures include historical development of ideas, case studies and problem-solving activities. *General Biology I and General BiologyII may be taken in any order.*

DANCE (P. 64-65)

Change descriptions of the following DANCE courses to include statement : "*This course is repeatable for college credit with the permission of the instructor".*

DANC 101. Introduction to Dance. **1 hr.**
A broad overview of dance as a physical activity as well as a form of artistic expression. General topics include stretching, alignment, strengthening, and coordination techniques. Specific topics include skills and concepts in social, ballet, modern, jazz, tap/rhythm dance techniques and styles. A course designed for anyone interested in dance. *This course is repeatable for college credit with the permission of the instructor.*

DANC 105. Ballet I. **2 hrs.**
Fundamentals of ballet training, from beginning to low intermediate level, including formal barre, center and floor work. Students will be exposed to the work of Cecchetti and Vaganova, and to Royal and American ballet techniques. *Prerequisite:* DANC 101 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor."*

DANC 107. Jazz/Tap I. **2 hrs.**
Jazz dance technique, from beginning to low intermediate level. Students will learn jazz and tap dance technique based on historic, concert, music theatre, and video dance styles; as well as the cultural connections and considerations of this American dance form. *Prerequisite:* DANC 101 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 109. Modern I. **2 hrs.**
Fundamentals of modern dance training. Students will be exposed to modern dance techniques, philosophies, and choreographers. *Prerequisite:* DANC 101 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 121, 221, 321. Dance Company. **1 hr.**
A by-audition-only dance company that will learn original choreography and ultimately travel throughout West Virginia to expose audiences to professional-quality dance. The group's main goals will be to educate and to represent the College. The company's maximum size will be 14. *Prerequisite:* Permission of instructor. *These courses are repeatable for college credit with the permission of the instructor.*

DANC 205. Ballet II. **2 hrs.**
Continuation of DANC 105. Low to high intermediate level. *Prerequisite:* DANC 105 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 207. Jazz/Tap II. **2 hrs.**
Continuation of DANC 107. Low to high intermediate level. *Prerequisite:* DANC 107 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 209. Modern II. **2 hrs.**
Continuation of DANC 109. Low to high intermediate level. *Prerequisite:* DANC 109 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 305. Ballet III. **2 hrs.**
Continuation of DANC 205. High intermediate to advanced level. *Prerequisite:* DANC 205 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 307. Jazz/Tap III **2 hrs.**
Continuation of DANC 207. High intermediate to advanced level. *Prerequisite:* DANC 207 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

DANC 309. Modern III. **2 hrs.**
Continuation of DANC 209. High intermediate to advanced level. *Prerequisite:* DANC 209 or permission of instructor. *This course is repeatable for college credit with the permission of the instructor.*

EDUCATION (p. 70-72)

To meet current certification language, change the grade level options for the following:

In the heading, **Secondary Education (9-12 or 5-12), change grade options to (9-Adult or 5-Adult).**
In the heading, **Combined Elementary/Secondary Education (K-12), change grade option to (PreK – Adult).**

Under Elementary Education:
- change Specific Learning Disabilities (K-12) to Specific Learning Disabilities (K-Adult)

Under Secondary Education (9-Adult or 5-Adult, depending on the teaching field or fields):
- change Art (5-12) to Art (5-Adult)
- change Biology (9-12) to Biology (9-Adult)
- change Chemistry (9-12) to Chemistry (9-Adult)
- change English (5-12) to English (5-Adult)
- change General Science (5-12) to General Science (5-Adult)
- change Mathematics (5-12) to Mathematics (5-Adult)
- change Physical Education (5-12) to Physical Education (5-Adult)
- change Physics (9-12) to Physics (9-Adult)
- change Social Studies (5-12) to Social Studies (5-Adult)

Under Combined Elementary/Secondary Education (K-Adult):
- change Art (Grade level non-specified) to Art (PreK – Adult)
- change Music (Grade level non-specified) to Music (PreK – Adult)
- change Physical Education (Grade level non-specified) to Physical Education (PreK – Adult)
- change Physical Education (Grade level non-specified)/Health (K-12) to Physical Education/Health (PreK – Adult)

In Elementary Education (K-6):
- drop BIOL 130 Environmental Science and BIOL 140 Human Life Science
- add BIOL 110 General Biology I and BIOL 111 General Biology II

In Mathematics (5-9)
- add MATH 115 Elementary Statistics. Change total hours from 35 to 38.

In Mathematics (5-Adult)
- add MATH 331 Mathematical Statistics. Change total hours from 50 to 53.

In Physical Education (PreK – Adult):
- add PHED 335 Perceptual-Motor Development and Movement Experiences. Hours change from 41-42 to 44-45.

In Physical Education/Health (PreK – Adult):
- add PHED 335 Perceptual-Motor Development and Movement Experiences. Hours change from 57-58 to 60-61.

INTERDISCIPLINARY, (p. 85)

Add:
INDS 130 Modern Latin American Culture **3 hrs.**
An interdisciplinary study of Latin America drawing on political, literary, artistic and film resources in order to offer a general overview of Latin America from 1820 to present.

INTERNATIONAL STUDIES, (p. 86)

A portion of the following section for International Studies Requirements for Majors was mistakenly omitted in the Catalog:

OPTION D. **United States** (open to international students only): Selection of courses at the 200 and 300 level in American history and other courses in American politics, society, culture, religion, and other relevant areas of American life. The selection is to be made according to the distribution above and approved by the international studies advisor.

IV Foreign Language: 6 semester hours minimum in one foreign language or proficiency in a native language other than English. Additional language study is strongly recommended.

V **Senior Research Paper** (3 semester hours): Independent Study

PHYSICAL EDUCATION AND HEALTH (p.103-108)

In **Requirements for Physical Education General Major:**
- delete PHED 140 First Aid and Safety. Change semester hours from 38-39 to **35-36.**

In **Requirements for Health Promotion/Fitness Management Concentration:**
- delete PHED 305Advanced Human Nutrition
- add PHED 340 Advanced Topics in Nutrition: Sport Nutrition and Pharmacology.
  Hours will remain the same: 47 semester hours.

Add to curriculum:
PHED 335 Perceptual-Motor Development and Movement Experiences **3 hrs.**
Considers the life span approach to human motor development. Focus is on the process developing perception and its relationship to motor development in addition to providing theoretical information and practical experience in the areas of perceptual-motor development, basic movement skills and motor fitness as part of a well integrated program of movement education in the overall elementary and special education curriculum. Knowledge of the development of the psychomotor domain completes and complements the knowledge previously learned related to the cognitive and affective domains of the young child, helping teachers to more effectively work with the whole child. *(To count as requirement for the Physical Education K-12 major, to meet NCATE Standards).*

Add to curriculum:
PHED 340 Advanced Topics in Nutrition: Sport Nutrition and Pharmacology **3 hrs.**
An introductory study of nutrition and pharmacological supplementation specifically regarding the athletic and physically active population. Topics will include information on nutrients, digestion, absorption, metabolism, and hydration for athletes as well as legal, banned, and over the counter pharmacological supplementation for performance enhancement and physiological improvement. *Prerequisite:* PHED 240; *Pre- or Co-requisite:* CHEM 105, 107L.

PSYCHOLOGY (p. 114-117)

Change the names of the Psychology major and Human Services major to Psychology (Track I) and Psychology (Track II)

Requirements for Major
Track I (for majors who seek a solid foundation in psychology and want to work in human services or pursue a graduate degree in fields such as social work, rehabilitation, and related areas): 31 semester hours, including PSYC 101, 209, 211, 220, 225,245, 339, 451, 452; six hours of electives.
Track II (for majors who seek a thorough foundation in the discipline as preparation for a psychology graduate or other professional study (e.g. Law School, Medical School): 37 semester hours, including PSYC 101, 298, 215, 230, 245, 301, 304, 320, 330, 340, 397, 497. *Students must earn a 3.0 cumulative grade point average in PSYC 101, 215, and 230 to continue in the Psychology major.*

Add:
PSYC 105 Careers and Graduate School Preparation in Psychology **1 hr.**
The purpose of this course is to discuss various careers available in the field of psychology and how to prepare for applying to graduate school. The major format of this class is group discussion.

Under PSYC 211:
- **delete "Human Services curriculum"**
- **add PSYC 209 as a prerequisite**

Under PSYC 397

- **delete "Required of junior Psychology majors."**
- **delete "Offered every spring semester."**
- **add "This class is taken during the junior or senior year."**

Under PSYC 451
- **change name of course to Practicum in Psychology I**
- **delete "Psychology majors may enroll only with permission of the department chair."**

Under PSYC 452
- **change name of course to Practicum in Psychology II**

Under PSYC 497
- **delete "Offered every fall semester."**

THEATRE ARTS (p. 121-127)

Add:
THRE 105 Acting for Non-Majors **3 hrs.**
Students from outside the Theatre major will explore the duties and responsibilities of the professional actor. In rehearsal, they will analyze the text for form, style, character, rhythms and performance strategy, researching the validity of their choices, and ultimately defend their choices, learning the vocabulary of the theatre. Textbooks will focus on the schools of Stanislavski, Meisner, and Chekhov.

Change the description of THRE 129 Acting I to include the following statement: "***This course is only for Theatre Arts majors. Non-majors may participate with permission of the instructor.***"

Add: (course mistakenly omitted from 2002 – 2004 Catalog)
THRE 341 Technical Production **3 hrs.**
A combination lecture and laboratory course in contemporary theatrical technical direction. The student will develop basic competency in CADD, mechanical drawing, and construction methods common to theatre. *Prerequisite:* THRE 120.

ACADEMIC POLICIES (p. 134)

Under **Credit by Examination,** change the information to read as follows:
Students who take the College Board Advanced Placement Program examinations and achieve a score of three or higher will in most cases be eligible for credit in the appropriate course (s) upon enrollment at Wesleyan.

The College accepts the College Level Examination program (CLEP). Entering students may receive credit through the general examinations when they achieve the passing score set by Wesleyan.

Students must be enrolled at Wesleyan to take advantage of credit by examination opportunities. Credit will be awarded only when it does not duplicate or significantly overlap credit which already appears on the student's official college transcript. Likewise, exams may not be taken for credit by a student who has already completed a course for which the credit is requested is a prerequisite. A student may not take an exam for a course in which he or she has been enrolled previously. General information is available from the Office of the Registrar.

EXPENSES (pp. 153-157)

SEE ATTACHED SCHEDULE OF FEES AND CHARGES

WEST VIRGINIA WESLEYAN COLLEGE

SCHEDULE OF FEES AND CHARGES

Academic Year 2003-2004

Tuition and Instructional Fees	
	Per Semester
Full-time undergraduate tuition (12 - 17 credit hours)	$9,100
Special Tuition Increase (STI)	$125
	Per Credit Hour
Part-time undergraduate tuition (1 - 11 credit hours)	**Charges**
9 to 11 credit hours	$760
1 to 8 credit hours	$320
(Includes Individualized Study, i.e., Independent Study, Directed Study, Internships)	
Overload Tuition (18 credit hours and beyond)	$380
Undergraduate May Term Tuition/Summer School Tuition	$320
Master of Business Administration	$360
RN/BSN Distance Education Course Tuition	$250
Partnership Program Tuition(Two class limit for B-U & Lewis HS Sr)	$160
Applied Music Fee - Music Majors	$125
Applied Music Fee - Music Minors & Non-majors	$250
English as a Second Language Program Fee	$150
	Per Semester
Lindamood-Bell Program -- Level 1	$600
-- Level 2	$1,200
-- Level 3	$1,800
-- Level 4	$2,400
Teacher Education Fee: EDU 467	$200
Nursing Course Fees: NUR 225, 320, 340, 350, 355, 410, 420	$25
NUR 101, 110, 240	$55
NUR 220	$155
NUR 440	$60
NUR 450	$300
Art Studio Fees: ART 122, 201, 220, 301, 330	$35
ART 180,211,212,320	$25
ART 260, 361	$10
ART 261, 375	$15
Mandatory Fees (Full-time Undergraduate Students)	**Per Semester**
Student Activity Fee	$100
Information Technology Fee	$600
	Per Year
Health & Accident Insurance (Unless Waiver Provided by Sept. 5, 2003)	$225
International Student Supplemental Insurance	$225
Room Charges	**Per Semester**
Double Room	$1,350
Double Deluxe Room	$1,415
Non-Preferred Single Room	$1,655
Three Room Suite	$1,655
Camden Apartment	$1,715
Preferred Single Room	$1,960
Super Single Room	$2,080
Double as a Single Room	$2,265
Two Room Suite	$2,265

Triple Room		$1,110	
Laundry Fee		$40	
		Per Week	
Summer (Double Occupancy)		$60	
Summer (Single Occupancy)		$80	
Board Charges		**Per Semester**	
Regular 20 meal plan +$37.50 Bonus		$1,325	
Regular 14 meal plan +$37.50 Bonus		$1,250	
		Per Week	
Summer School - 20 Meal Plan (Optional)		$105	
Other Fees as Applicable			
Car Registration Fee - Full Year		$50	
Monthly Payment Plan Enrollment Fee - Full Year		$50	
Monthly Payment Plan Enrollment Fee - Half Year		$35	
Undergraduate Auditing Fee - Per course (if audited course creates an overload)		$200	
MBA Auditing Fee - Per course		$150	
Credit by Examination - Per exam		$150	
Application for Admission Fee		$25	
New Student Enrollment Deposit		$200	
New International Student Enrollment Deposit (Non-refundable)		$500	
New Student Orientation Fee		$200	
Graduation Fee		$125	
Late Fees -- Registration		$100	
-- Pre-registration		$50	
-- Application for Degree		$50	
Academic Transcript Fee - Per copy		$5	
Returned Check Fee - Per Check		$25	

Refund Policy for a Student Withdrawing from the College

Students making schedule adjustments that change their status from full-time to part-time or reduce their part-time load after the first five days of a semester or the first two days of a summer term will not have any adjustments in tuition charges unless they withdraw from the College.

For a student withdrawing from the College because of illness or for other reasons approved by the College, the following refund schedule will be used:

A student withdrawing from the College during a semester or summer term for any reason other than those stated above will receive no refund of tuition charges.

Fall Semester 2003	Spring Semester 2004	Refund Policy
August 26, 2003 - September 8, 2003	January 13, 2004 - January 26, 2004	80% of tuition
September 9, 2003 - September 22, 2003	January 27, 2004 - February 9, 2004	60% of tuition
September 23, 2003 - October 6, 2003	February 10, 2004 - February 23, 2004	40% of tuition
After October 6, 2003	After February 23, 2004	NO REFUND

Summer School 2004 - Tuition

May Term	Summer II	MBA I	MBA II	
May 4 - May 7	June 1 - June 4	May 3 - May 6	June 14 - June 17	80% of tuition
May 8 - May 12	June 5 - June 9	May 7 - May 11	June 18 - June 22	60% of tuition
May 13 - May 15	June 10 - June 12	May 12 - May 14	June 23 - June 25	40% of tuition
After May 15	After June 12	After May 14	After June 25	NO REFUND

Room & Fees

A student withdrawing from the College during a semester or summer term will receive no refund of room charges or mandatory fees.

Board			
A student withdrawing from the College during a semester or summer term, for any reason, will be refunded a part of the charges for board proportionate to the number of days of the semester or summer term remaining after the meal ticket is surrendered.			
Financial Aid			
Refunds of financial aid are a separate calculation to comply with Federal regulations. The calculations include the length of the enrollment period, unpaid institutional charges, all educational costs for the enrollment period and amounts paid toward institutional charges from financial aid and cash paid by the student. Students who consider withdrawing or reducing hours below full-time are advised to contact the Financial Planning Office.			

WEST VIRGINIA WESLEYAN COLLEGE

2002-2004 CATALOG

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NOTICE OF NONDISCRIMINATION/AFFIRMATIVE ACTION

West Virginia Wesleyan College, a private educational institution, is committed to the principle of equal opportunity for all qualified persons, welcomes students of all backgrounds and takes pride in the diversity of its faculty and staff. It assures students of access to all the privileges, programs and activities generally accorded or made available at the College. West Virginia Wesleyan College strongly supports affirmative action principles and does not discriminate on the basis of creed, religion, national or ethnic origin, age, race, color, gender or handicap in the administration of its educational programs, admissions policies, financial aid programs, athletics, co-curricular activities or other College administered programs.

In accordance with the Student Right to Know and Campus Security Act, complete information regarding campus security policies and campus crime statistics can be obtained from the Vice President for Student Affairs.

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College Calendar

2002-2003

2002 Fall Semester

August	24	Saturday	Orientation for new students begins
	25	Sunday	Residence halls open for returning students (2 pm)
	26	Monday	Registration
	27	Tuesday	Classes begin (8 am)
September	2	Monday	Deadline: Schedule changes and late registration Deadline: Pass/Fail application
	18	Wednesday	Deadline: Withdrawing from first quarter classes
	28-29	Sat.-Sun.	Family Weekend
October	7	Monday	Deadline: Incomplete grades from Spring Semester and Summer School due in Registrar's Office
	8	Tuesday	Progress Reports due in Registrar's Office
	10	Thursday	First-quarter classes end
	11	Friday	Fall Recess (classes dismissed)
	14	Monday	Second quarter classes begin
	18	Friday	Founders Day Deadline: Adding/dropping second quarter classes
	19	Saturday	Homecoming
	29	Tuesday	Deadline: Withdrawing from full-semester classes
November	5-8	Tue.-Fri.	Preregistration for Freshmen and Transfers (tentative)
	6	Wednesday	Deadline: Withdrawing from second quarter classes
	22	Friday	Thanksgiving Break begins (5 pm)
December	1	Sunday	Residence halls open (12 noon)
	2	Monday	Classes resume (8 am)
	6	Friday	Last day of classes
	9-12	Mon.-Thu.	Final examinations
	12	Thursday	Residence halls close (5 pm)
	16	Monday	Final grades due in Registrar's Office

2003 Spring Semester

January	12	Sunday	Residence halls open (12 noon)
	13	Monday	Registration
	14	Tuesday	Classes begin (8 am)
	20	Monday	Deadline: Schedule changes and late registration Deadline: Pass/Fail application
February	5	Wednesday	Deadline: Withdrawing from first quarter classes
	24	Monday	Deadline: Incomplete grades from Fall semester due in Registrar's Office
	25	Tuesday	Progress reports due in Registrar's Office
	28	Friday	First quarter classes end
March	3	Monday	Second quarter classes begin

	7	Friday	Deadline: Adding/dropping second quarter classes
			Spring Break begins (5 pm)
	16	Sunday	Residence halls open (5 pm)
	17	Monday	Classes resume (8 am)
	24	Monday	Preregistration begins (tentative)
	25	Tuesday	Deadline: Withdrawing from full-semester classes
April	2	Wednesday	Deadline: Withdrawing from second quarter classes
	12-13	Sat.-Sun.	Spring Weekend
	18	Friday	Good Friday recess
	21	Monday	Easter Monday recess
	25	Friday	Classes end
	26	Saturday	Admissions Open House (new class registers)
	28-1	Mon.-Thu.	Final Examinations
May	1	Thursday	Residence halls close (5 pm)
	3	Saturday	Baccalaureate
	4	Sunday	Commencement
	6	Tuesday	Final grades due in Registrar's Office

MayTerm - 4 weeks for on-campus courses; 3 weeks for international travel courses

May	5	Monday	Registration
			Residence halls open (2 pm)
	6	Tuesday	Classes begin
	7	Wednesday	Deadline: Schedule changes
			Deadline: Late registration
			Deadline: Pass/Fail application
	16	Friday	Deadline: Withdrawing from classes
	30	Friday	Final Examinations

Summer Session - 4 weeks

June	2	Monday	Registration
			Residence halls open (2 pm)
	3	Tuesday	Classes begin
	4	Wednesday	Deadline: Schedule changes
			Deadline: Late registration
			Deadling: Pass/Fail application
	13	Friday	Deadline: Withdrawing from classes
	27	Friday	Final Examinations

2003-2004

2003 Fall Semester

August	23	Saturday	Orientation for new students
	24	Sunday	Residence halls open for returning students (2 pm)
	25	Monday	Registration
	26	Tuesday	Classes begin (8 am)
September	1	Monday	Deadline: Schedule changes and late registration Deadline: Pass/Fail application
	17	Wednesday	Deadline: Withdrawing from first quarter classes
	20-21	Sat.-Sun.	Family Weekend
October	6	Monday	Deadline: Incomplete grades from Spring Semester and Summer School due in Registrar's Office
	7	Tuesday	Progress reports due in Registrar's Office
	9	Thursday	First quarter classes end
	10	Friday	Fall Recess (classes dismissed)
	13	Monday	Second quarter classes begin
	17	Friday	Founders Day Deadline: Adding/dropping second quarter classes
	18	Saturday	Homecoming
	28	Tuesday	Deadline: Withdrawing from full-semester classes
November	4-7	Tue.-Fri.	Preregistration for Freshmen and Transfers (tentative)
	5	Wednesday	Deadline: Withdrawing from second quarter classes
	21	Friday	Thanksgiving Break begins (5 pm)
	30	Sunday	Residence halls open (12 noon)
December	1	Monday	Classes resume (8 am)
	5	Friday	Last day of classes
	8-11	Mon.-Thu.	Final examinations
	11	Thursday	Residence halls close (5 pm)
	15	Monday	Final grades due in Registrar's Office

2004 Spring Semester

January	11	Sunday	Residence halls open (12 noon)
	12	Monday	Registration
	13	Tuesday	Classes begin (8 am)
	19	Monday	Deadline: Schedule changes and late registration Deadline: Pass/Fail application
February	4	Wednesday	Deadline: Withdrawing from first quarter classes
	23	Monday	Deadline: Incomplete grades from fall semester due in Registrar's Office
	24	Tuesday	Progress reports due in Registrar's Office
	27	Friday	First quarter classes end
March	1	Monday	Second quarter classes begin
	5	Friday	Deadline: Adding/dropping second quarter classes Spring Break begins (5 pm)

	14	Sunday	Residence halls open (12 noon)
	15	Monday	Classes resume (8 am)
	22	Monday	Preregistration begins (tentative)
	23	Tuesday	Deadline: Withdrawing from full-semester classes
	31	Wednesday	Deadline: Withdrawing from second quarter classes
April	9	Friday	Good Friday recess
	12	Monday	Easter Monday recess
	13	Tuesday	Classes resume (8 am)
	17-18	Sat.-Sun.	Spring Weekend
	23	Friday	Last day of classes
	26-29	Mon.-Thu.	Final examinations
	29	Thursday	Residence halls close (5 pm.)
May	1	Saturday	Baccalaureate
	2	Sunday	Commencement
	4	Tuesday	Final grades due in Registrar's Office

MayTerm - 4 weeks for on-campus courses; 3 weeks for international travel courses

May	3	Monday	Registration
			Residence halls open (2 pm)
	4	Tuesday	Classes begin
	5	Wednesday	Deadline: Schedule changes
			Deadline: Late registration
			Deadline: Pass/Fail application
	14	Friday	Deadline: Withdrawing from classes
	28	Friday	Final Examinations

Summer Session - 4 weeks

May	31	Monday	Registration
			Residence halls open (2 pm)
June	1	Tuesday	Classes begin
	2	Wednesday	Deadline: Schedule changes
			Deadline: Late registration
			Deadline: Pass/Fail application
	11	Friday	Deadline: Withdrawing from classes
	25	Friday	Final Examinations

Calendar subject to modification in the interest of the total College program.

West Virginia Wesleyan College

Unite the pair so long disjoined, knowledge and vital piety.
—Charles Wesley

Statement of Mission

West Virginia Wesleyan College challenges its students to a life-long commitment to develop their intellectual, ethical, spiritual, and leadership potential and to set and uphold standards of excellence. Firmly rooted in the liberal arts tradition and closely related to The United Methodist Church, the College is a community of learning based on fundamental principles formed at the intersection of Christian faith and liberal education: intellectual rigor, self-discovery, human dignity, mutual support, social justice, self-discipline, mental and physical wellness, the appreciation of diversity

and the natural world, and the judicious use of resources. The College recognizes and affirms its interdependence with the external communities—local, regional, national, and global—and its covenant with the people of West Virginia to share its educational and cultural resources.

West Virginia Wesleyan College prepares its students through its curriculum of arts and sciences, preprofessional and professional studies, and its rich campus life program. As a residential, undergraduate institution of higher education, the College aspires to graduate broadly educated men and women who

- Think critically and creatively,
- Communicate effectively,
- Act responsibly, and
- Demonstrate their local and world citizenship through service.

Goals of the Wesleyan Experience

In affirming for students, faculty and staff the freedom of inquiry basic to intellectual vitality, the educational programs of the College seek to achieve the following specific goals:

1 **To assure that all graduates communicate clearly and with some appropriate measure of eloquence and force in both the written and spoken form** by providing a sound foundation in basic writing and speaking skills early in their undergraduate experience and reinforcing and expanding on these skills throughout the curriculum.

2 **To enable graduates to make discriminating judgments about the relative worth of ideas and arguments** by providing a systematic introduction to critical thinking skills that emphasizes the relationship between evidence and sound conclusions.

3 **To develop in graduates a critical appreciation for the ideas and values that are the foundation of Western and world culture** by introducing them to and causing them to examine critically representative philosophical and religious systems of knowledge and belief.

4 **To enable graduates to appreciate contemporary—and indeed future—culture as part of an ongoing process** by providing a historical framework that emphasizes the connectedness of events, people, and world conditions through time.

5 **To expand the access of graduates to the richness of human creativity as expressed in letters and the arts** by engaging them in an expanded body of works and providing them basic critical tools and aesthetic sensitivity with which to approach the unfamiliar.

6 **To instill in graduates an appreciation for humankind's expanded ability to understand, interact with, and shape its physical environment** by involving them actively in quantitative and experimental approaches to problem solving and the physical universe in ways that combine theory and application.

7 **To provide graduates the experience of sustained and concentrated scholarship** by affording them the opportunity for in-depth study of a single academic discipline.

8 **To prepare graduates to live effectively as members of society** by developing an understanding of the interplay of self and society, the tension that exists between the two, and their mutual dependence.

9 **To prepare graduates to be self-reliant and responsible individuals** by encouraging them to reflect upon their values, ethical choices and commitments.

10 **To prepare graduates to live effectively in a nation and world characterized by ethnic, racial, philosophic, cultural, linguistic, religious, and geographic diversity** by helping them to understand traditions and views differing from their own, to practice an unbiased habit of mind, and to treat others with fairness and civility.

11 **To prepare graduates to work collaboratively with others** by engaging them in cooperative learning in the curriculum and co-curriculum.

12 **To prepare graduates to be competent and comfortable in the use of information technology** by providing them with laptop computers and by employing information technology throughout the curriculum.

13 **To enhance the desire and the ability of graduates to achieve and maintain physical and mental health** by involving them in explorations or activities that demonstrate the unity between physical and mental well-being.

14 **To instill in graduates the sense that learning never ends** by demonstrating that seeking knowledge and understanding is one of life's central purposes.

A Brief Early History

The mission of West Virginia Wesleyan College is reflected in good measure in its name. Its founding in 1890 by the West Virginia Annual Conference of the Methodist Episcopal Church climaxed a 16-year effort to establish a center of learning in the then-young state that would reflect the values of the Methodist community, meet the church's need for an educated leadership, and provide an educational resource for the general citizenry of the state and region.

Although the founders were always loyal to these overarching principles, the immediate catalyst for the College's establishment was perhaps less lofty: by 1882, Methodists believed they had "lost control" of West Virginia University in Morgantown, leading to an exodus from the state university of Methodist students who now sought an educational alternative.

Originally known as the West Virginia Conference Seminary, the new school opened September 3, 1890, in a splendid new three-story brick building located on the present site of the Lynch-Raine Administration Building. (The original building was destroyed by fire in 1905 and replaced the following year by the current structure.) In keeping with the tradition of seminaries or academies of the day, it offered largely pre-college instruction. Bennett W. Hutchinson, a graduate of Ohio Wesleyan University and Boston University School of Theology and an ordained minister, came from Massachusetts to accept the presidency. Mr. Roy Reger of Buckhannon was the first of 201 students to enroll that first year.

Full-fledged college work was initiated in 1900 and gradually expanded until the first baccalaureate degrees were awarded in 1905. After one year as Wesleyan University of West Virginia, the name was officially changed in 1906 to West Virginia Wesleyan College, in honor of Methodism's founder, John Wesley. Pre-college work continued through 1922-23, when it was deemed no longer necessary due to the growth of high schools in the state.

The early beginnings of the College were modest, and the fledgling school was frequently plagued by debt, debt that became particularly threatening during the Great Depression of the 1930s. But the shortage of fiscal resources never dampened the vision of the College community and its supporters. By 1939, when the three major Methodist bodies united to become the Methodist Church, leaders of the College dreamed of making Wesleyan the outstanding liberal arts college in the state—a challenging vision for a financially struggling college of fewer than 500 students.

Historians of the College credit Thomas W. Haught, an 1894 graduate of the Seminary, 20-year academic dean (1909-1929), long-time faculty member, and three-time acting president, as one of Wesleyan's most influential champions of academic excellence. In addition to strengthening the faculty and the emphasis on academics, he led efforts to achieve initial accreditation by the North Central Association of Colleges and Secondary Schools in 1927.

For many, the presidency of Dr. Stanley H. Martin (1957-1972) marks the period of the College's most dramatic growth, measured in student enrollments, increasing academic stature, and an expanding physical plant. It was largely his vision that gave the campus its present Georgian character. Wesley Chapel, Christopher Hall of Science, the Benedum Campus Center, Jenkins Hall, Doney Hall, Holloway Hall, McCuskey Hall, and the Martin Religious Center are tangible expressions of the expansion that characterized President Martin's tenure.

Many features of modern campus life at Wesleyan have long traditions. An example is football, which was introduced in the pre-college seminary in 1898. The school colors of orange and black go back to that very first game, when fullback and team captain Frank Thompson wore a turtleneck sweater in Princeton University's orange and black to honor two football greats of that university. A more comprehensive athletic program was formally organized at the collegiate level in 1902. Early sports included football, baseball, basketball, and gymnastics—all for men only.

Music was an important part of campus life, beginning in 1890 when two pianos and an organ were installed in the seminary's new building. In 1902, the current Annex Building was constructed as the Conservatory of Music, the College's first building dedicated solely to academic purposes. The Greek system was initiated on campus in 1925, when the Board of Trustees authorized the establishment of two sororities and three fraternities. And as early as 1910, the Wesleyan Volunteer Band—followed in 1930 by the Student Volunteer Movement—established a tradition of service among Wesleyan students, concentrating in those early years on foreign missions of the Christian church, but also maintaining strong ties to the local community.

Much has changed in higher education and in West Virginia since West Virginia Wesleyan College was established. Yet the founders would recognize much of today's curriculum and many of today's campus traditions as worthy continuations of their early efforts.

Learning Environment

West Virginia Wesleyan College offers exceptional technological and physical facilities to create an environment ideally suited for teaching and learning. The elegant steeple and classic Georgian design of Wesley Chapel set the architectural style of the campus, while IBM ThinkPad computers issued to students and faculty form the keystone of a comprehensive technology infrastructure.

The oldest of Wesleyan's 32 buildings is Agnes Howard Hall, built in 1895 and listed on the National Register of Historic Places. It is one of ten residence halls on

campus. Among the College's newest facilities are the French A. See Dining Center, completed in 1995, and the Benedum Campus Center, renovated in 1997. Together with the Chapel and Religious Center, the Physical Education Center, and other special facilities described elsewhere in this publication, these buildings set in the park-like atmosphere of the campus offer students an attractive place to live and work.

Key academic buildings of the College include Christopher Hall of Science, home of Wesleyan's outstanding programs in biology, chemistry, computer science, engineering physics, environmental science, mathematics, physics, and psychology. Modern, well-equipped laboratories complement the building's planetarium, herbarium, and greenhouse. McCuskey Hall, housing the art department, has studios for painting, drawing, ceramics, and printmaking as well as a computer lab for graphic design. McCuskey also houses Sleeth Gallery, which sponsors regular visiting artists, workshops, and curated exhibitions.

The Loar Memorial Building provides classrooms, practice rooms, and private studios for vocal and instrumental faculty in the Department of Music. Its recital hall seats audiences of 165 for performances and serves as rehearsal space for the department's many ensembles. Its memorial lounge provides an attractive setting for formal gatherings. In keeping with Wesleyan's commitment to educational technology, Loar Memorial Building has a computer music lab integrating personal computers with instrumental keyboards for music composition, sequencing, analysis, and performance in an interactive group setting.

Information Technology

West Virginia Wesleyan College supplies a notebook computer to each entering student through its participation in the IBM ThinkPad University program. These computers are refreshed every three years, giving students continuous access to up-to-date hardware and software. Faculty also have laptop computers, so that technology is readily integrated in coursework. A high-speed fiber optic network, which utilizes an ATM backbone and switched Ethernet technology to link all buildings on campus, provides connectivity to the Internet. With more than 80 miles of network wiring and local wireless network functionality, students and faculty have unlimited access to the Internet and campus electronic resources from any residence hall room,

classroom, laboratory, faculty office, meeting room, or other social space. The Computer Center, in Christopher Hall, houses additional computing facilities as well as Digital Alphaservers to support instructional and administrative computing and high-speed printing. All classrooms support either fixed or portable computer projection, and some classrooms have electric power and network connections at every seat for laptop users.

The Annie Merner Pfeiffer Library provides digital, multimedia, and print information resources in support of the College curriculum and lifelong learning. Library information, including the catalog, electronic books and journals, databases, and reference resources, is available on the Wesleyan computer network around the clock. The campus collection of over 150,000 volumes, 700 subscriptions, and 10,000 media materials is extended by electronic access to bibliographic, text, and image files. An expert staff guides users in efficient use of information technology. In addition to its information resources, the Library provides media viewing facilities, a computer lab, areas for group study, wireless network connectivity throughout the building, and a quiet place for reading and reflection.

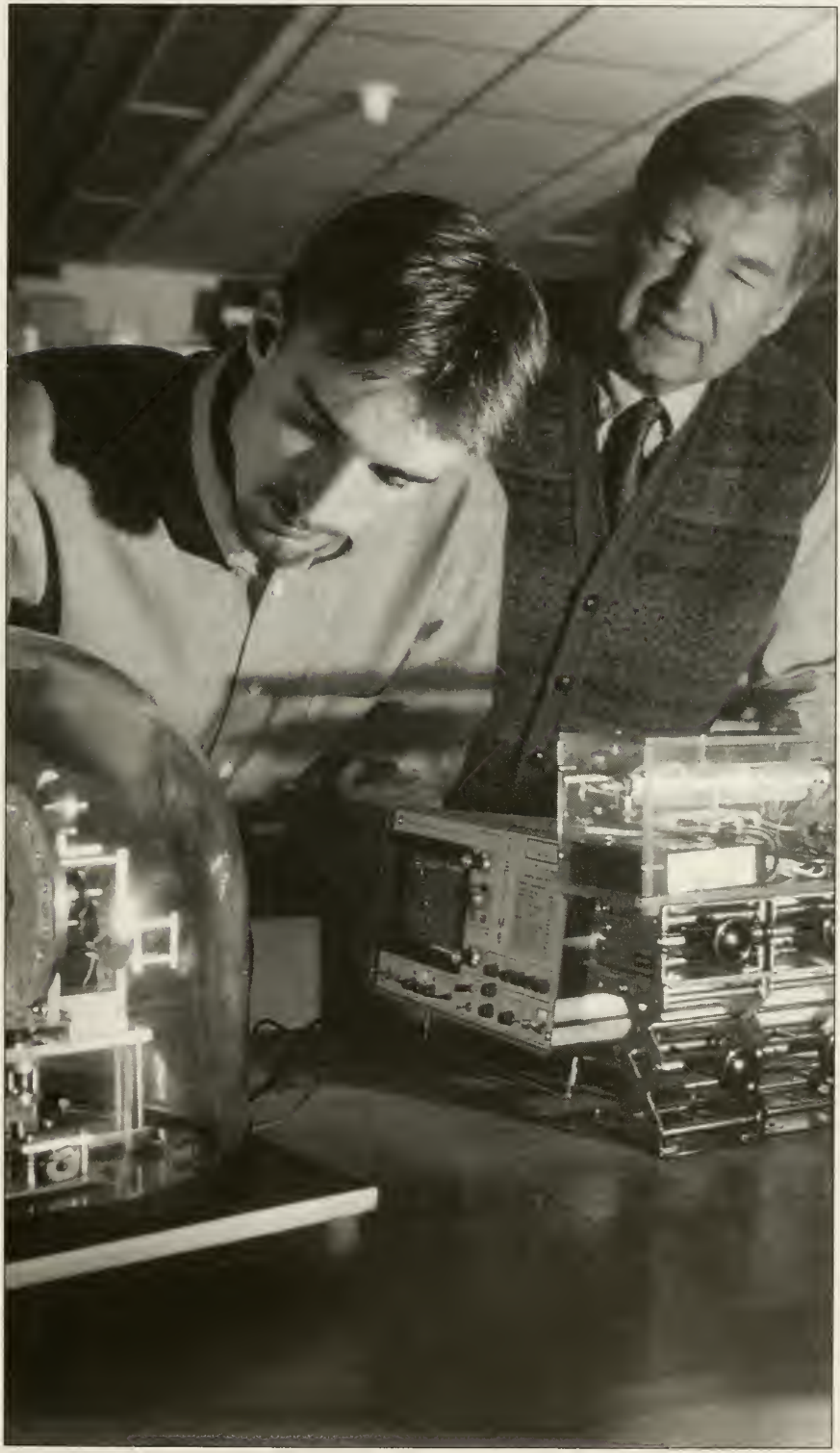
Together, the technological and physical facilities at West Virginia Wesleyan College provide an outstanding setting for college life. They are a significant resource for a college program that prides itself on its excellent educational offerings, its outstanding faculty, and its wide variety of cultural, social, and athletic events.

Wesleyan Accreditation

West Virginia Wesleyan is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools (30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; telephone 1-800-621-7440) and approved by the University Senate of The United Methodist Church. It is a member of the National Association of Schools of Music and is approved by the West Virginia Department of Education and the National Council for the Accreditation of Teacher Education (2010 Massachusetts Avenue, NW, Suite 500, Washington, DC 20036; telephone 1-202-466-7496). The College participates in the Interstate Certification Project, whereby a number of states certify teachers graduating from Wesleyan's Department of Education. The nursing program is accredited by the National League for Nursing Accrediting Commission (350 Hudson Street, New York, NY 10014; telephone 1-800-669-9656 ext. 153) and approved by the State of West Virginia Board of Examiners for Registered Nurses. The athletic training program is accredited by the Commission on Accreditation of Allied Health Education Programs. Degree programs offered in business and economics, including the Master of Business Administration program, are accredited by the International Assembly for Collegiate Business Education.

The College holds membership in the Appalachian College Association, East Central Colleges, The National Association of Independent Colleges and Universities, the American Association of Colleges for Teacher Education, the National Association of Schools and Colleges of The United Methodist Church, Campus Compact, and the Council of Independent Colleges.

Wesleyan's athletic programs are affiliated with the West Virginia Intercollegiate Athletic Association and the National Collegiate Athletic Association, Division II.



Academic Program

Academic Advising

During the first semester of the freshman year, students are advised by their Freshman Seminar instructor. Thereafter, each student is assigned a faculty advisor in his or her particular field of study or in a closely related field. Education is ultimately the responsibility of the learner, but students undecided about a major are assigned advisors who will help them explore their personal interests and set appropriate educational goals. The advisor's approval of the student's schedule each semester acknowledges that discussion has taken place and that the student is aware of how each semester's schedule contributes to the student's overall progress towards graduation. The Director of the Academic & Career Center and its advising staff are available to assist students in situations when the assigned faculty member is not available.

Plan of Study

The academic program at West Virginia Wesleyan College consists of three components: general studies, a major, and general electives. The total academic experience derives from and is designed to fulfill the Statement of Mission and the Goals of the Wesleyan Experience (pages 10-12).

General Studies Program

The general studies curriculum is designed to assure that each graduate of West Virginia Wesleyan College has achieved a broad educational foundation that includes meaningful engagement with the principal areas of human inquiry. The knowledge and skills to be derived from this broad based education area are the mark of an educated person. They also help prepare the graduate to respond to the many unexpected challenges that life will bring. Students select specific courses from a range of choices which satisfy requirements of the general studies program. Students are encouraged to satisfy some requirements by electing upper-division courses (300-level). (Students pursuing an Honors Degree should refer to requirements of the Honors Program (page 22) that will affect their course choices within the general studies curriculum.)

Curriculum

Each candidate for graduation is required to satisfy the following distribution requirements; no single course may satisfy more than one general studies requirement.

Communication (the first three to be taken in sequence upon entering Wesleyan) **6-11 hrs.**

A grade of C (2.0) or better is required in Composition I and II and Fundamentals of Oral Communication.

- ENGL 101, Composition I (3 hrs.)
  (unless waived on the basis of test scores and high school composition grades)
- ENGL 102, Composition II (3 hrs.)
- COMM 211, Fundamentals of Oral Communication (3 hrs.)
- ENGL 319, Advanced Composition (2 hrs.) or an approved senior seminar or writing course in the major

Courses satisfying this requirement will be noted in the course descriptions.

Science and Mathematics **9 hrs.**

- Two laboratory courses in the physical or biological sciences (6 hrs.)
- One course in mathematics (100-level or above) (3 hrs.)

Religion and Philosophy **6 hrs.**

- One course in religion (3 hrs.)
- One course in philosophy (3 hrs.)

Humanities and the Fine Arts **9 hrs.**

- INDS 120, Introduction to the Humanities (3 hrs.)
  (to be taken during the freshman or sophomore year)
- One course in literature (3 hrs.)
- Three semester hours in a single fine art
  (options: one 3-hr. course; one 2-hr. course and a 1-hr. performance credit in the same general discipline; three 1-hr. performance credits in the same general discipline)

Social Sciences **6 hrs.**

- One course selected from HIST 101, 102, 121, 122 (3 hrs.)
- One course selected from anthropology, economics, geography, political science, psychology, sociology (3 hrs.)

Domestic Cultural Studies **3 hrs.**

- One course (3 hrs.) selected from:
  COMM 121, Intercultural Communication within the United States
  ENGL 245, American Ethnic Literature
  ENGL 248, Appalachian Literature
  ENGL 275, Studies in Gender: Women's Studies
  HIST 239, History of West Virginia
  HIST 267, African-American History I
  HIST 268, African-American History II
  POLS 230, Women in Politics

RELG 212, Issues in Feminist Theology
SOCI 210, Appalachian Studies
SOCI 243, American Minority Groups Since 1865

A limited, changing selection of other courses from the humanities, fine arts and social sciences may satisfy this requirement. A current listing of approved courses is available in the Office of the Registrar.

Global Cultural Studies **3 hrs.**

- One course (3 hrs.) selected from:
  BUSI 234, International Business Management
  BUSI 244, International Business Marketing
  ENGL 230, Non-Western Literature: African
  ENGL 231, Non-Western Literature: Asian
  ENGL 232, Non-Western Literature: (others)
  FRCH 102, Introductory French II (or higher)
  HIST 261, Introduction to the Non-Western World
  HIST 270, People's Republic of China
  HIST 273, Japan Since 1868
  HIST 340, History of Modern Russia
  MUSC 207, Music in Nineteenth and Twentieth Century Russia
  POLS 225, Model United Nations
  POLS 240, African Politics
  POLS 325, Comparative Developing States
  RELG 240, Judaism and Islam
  RELG 245, Hinduism and Buddhism
  SOCI 305, Global Minorities
  SOCI 315, Arabs and the Middle East
  SPAN 102, Introductory Spanish II (or higher)

  See complete list available in the Office of the Registrar.

Health and Physical Education **3 hrs.**

- Three 1-hr. activity courses

  Only one hour of this requirement may be satisfied by an hour of credit in any of the following: DANC 101, a dance technique course in ballet, jazz/tap, or modern; THRE 263, 264, 363, or 364

  OR

- One 1-hr. activity course and one of the following:
  PHED 110, Exercise and Weight Control (3 hrs.)
  PHED 130, Personal and Community Health (2 hrs.)
  PHED 140, First Aid and Safety (3 hrs.)
  PHED 201, School Health (3 hrs.)
  PHED 240, Fundamentals of Human Nutrition (3 hrs.)

TOTAL HOURS **45-50 hrs.**

Major Program

Each student is required to complete a major program of study in order to graduate. The purpose of the major is to offer the experience of study in depth. As students learn

more about a particular body of knowledge, they are able to build upon prior learning and ask questions that will lead them toward greater competence in the discipline. The major also prepares students for graduate study or for employment after graduation.

The College offers majors in the following fields. Specific course requirements may be found under Instructional Offerings. Some fields offer more than one degree option within the major.

Although not required, a student has the option of declaring a major and minor(s) or a double major. In the case of a double major, a student must declare a primary major which will determine the degree awarded, and complete both majors fully. Students with double majors must complete the senior capstone experience in both majors. See Policies under Requirements for Graduation on page 27.

Bachelor of Arts

Art
Arts Administration
Chemistry
Christian Education and Church Leadership
Communication Studies
Criminal Justice
Education
English
Environmental Science
History
Human Services
International Studies
Music
Philosophy
Philosophy and Religion
Physics
Political Science
Psychology
Public Relations
Religion
Sociology
Theatre Arts

Bachelor of Fine Arts

Musical Theatre
Theatre Performance
Theatre/Technical Design

Bachelor of Music Education

Music Education

Bachelor of Science

Accounting
Athletic Training
Biology
Business Administration
Chemistry
Computer Information Science
Computer Science
Economics
Engineering Physics
Environmental Science
Finance
International Business
Management
Marketing
Mathematics
Physical Education
Physics

Bachelor of Science in Nursing

Nursing

Special Programs

Cooperative Programs

Students accepted in certain advanced professional programs after at least 90 hours of study at Wesleyan, but prior to completion of a bachelor's degree, may request permission of the Admission and Academic Standing Council to receive a Wesleyan degree following successful completion of the first year of the professional program. Programs eligible for such cooperative arrangements include schools of medicine, dentistry, veterinary medicine, physical therapy, engineering, optometry, and pharmacy.

Students must provide evidence of having satisfied all Wesleyan general studies and major requirements. Participation in a cooperative program waives certain elements of the residency requirement and frequently reduces the number of undergraduate hours required for a bachelor's degree. Students interested in a cooperative program must complete a petition form available in the Office of the Registrar, which is then submitted to the Admission and Academic Standing Council for approval.

RN/BSN Completion Plan

The RN/BNS Completion Plan for registered nurses to earn the Bachelor of Science in Nursing degree is administered by the Department of Nursing. Nursing courses in this program are offered through the Internet. Information on course offerings, enrollment, and tuition is available from Department of Nursing, West Virginia Wesleyan College, 59 College Avenue, Buckhannon, WV 26201 or by e-mail via the Internet.

The Honors Program

The Honors Program is offered to recognize and challenge the College's most academically talented students. Participation is voluntary for all qualified students. All Honors courses are special offerings conducted in seminar format.

Requirements for Admission to Honors Program

Entering freshmen: high school cumulative grade point average of 3.5 and 1200 SAT score or 27 one-time ACT score.

Second-semester freshmen, sophomores and juniors: cumulative college grade point average of 3.5 or above.

Any student who has earned a cumulative grade point average of 3.5 may enroll in Honors classes, subject to meeting any prerequisites, after students in the program have been accommodated. A student must declare his or her intention to complete the Honors Program no later than the second semester of the sophomore year. To be eligible for participation in the program, including its co-curricular events, a student must maintain the following cumulative grade point average by the end of each academic year: freshman, 3.25; sophomore, 3.4; junior, 3.5. To graduate with an Honors Degree—e.g., Bachelor of Arts (Honors)—a student must complete the requirements below and achieve a cumulative grade point average of 3.5 or above and completion of ENGL 102 with a C (2.0) or better.

Requirements for Graduation with an Honors Degree

No more than two courses in a single subject area—e.g., ENGL, INDS, SOCI—may satisfy Honors Program requirements.

1 Freshman sequence
- ❦ INDS 120, Introduction to the Humanities (Honors) 3 hrs.
- ❦ ENGL 170, Contemporary Literature (Honors) 3 hrs.

For general studies, the requirement of Composition I and II is waived upon completion of this sequence, which also satisfies the requirements for Introduction to the Humanities and a literature course.

2 Sophomore, junior, and senior sequence
- ❦ Four 3-hr. Honors courses, **OR**
- ❦ Three 3-hr. Honors courses **AND** a semester of study abroad, **OR**
- ❦ Three 3-hr. Honors courses **AND** completion of two college-level courses (6 hrs.) in a single foreign language.

3 Two 1-hr. Honors Seminars (INDS 310) to be taken in the sophomore, junior, or senior year. No more than one Honors Seminar may be taken per year.

4 A cumulative grade point average of 3.5 or above.

5 A total of 20 hours in honors courses.

Policy on History Equivalency

A student working toward an Honors Degree may opt to substitute any Honors history course for a general studies history survey course (HIST 101, 102, 121, 122).

Individualized Instruction

In the individualized instruction option, a student enters into a written agreement with one or more faculty members to achieve specific educational objectives for academic credit.

Individualized instruction exists in three forms:
1. Internships that involve placement in a work setting. Additional information and requirements are found on page 24.
2. Independent study that is a specifically developed course that is not in the catalog.
3. Directed Study that an existing catalog course necessitated by special circumstances.

The student and faculty members(s) determine the project's objectives, how they will be fulfilled, and how the student will be evaluated. To participate in individualized instruction, a student must be a second semester sophomore with a cumulative grade point average of 2.25 or above.

A maximum of 15 individualized instruction credits may be applied toward graduation. Information regarding specific eligibility requirements, policies, and application is available via the Intranet and in the Office of the Registrar.

A completed application for individualized instruction is developed jointly by the student and faculty sponsor and forwarded to the Director of Individualized Instruction for review and approval. In order to be part of a student's official schedule for a given term, the completed application must be submitted prior to registration. In no case may it be submitted for approval more than two weeks after the beginning of a semester. The student must register in order to receive credit.

Individualized Major

The Individualized Major is available to students who wish to investigate subjects or interests that cannot be addressed by the courses of a single approved major. With the assistance of three faculty sponsors, a student may structure an interdisciplinary program of 30-45 semester hours with defined objectives and an integrative senior project. The proposed major must be approved by the Curriculum Council. Specific guidelines for development and submission of an individualized major are available in the Office of the Dean of the College.

International Opportunities

Programs for international study include short-term travel courses and a variety of full-semester study abroad options through accredited programs. These opportunities reinforce and expand classroom learning, encourage cultural awareness, and promote student responsibility and self-confidence.

International travel courses are offered during the May Term and consist of short-term travel with a group of students lead by faculty and staff. An ever-changing variety of international destinations provide cross-cultural learning experiences in another country that facilitate a student's global perspective.

International study abroad is a full-semester experience open to all Wesleyan students who meet eligibility requirements of a 2.5 GPA and first-semester sophomore status. Students may choose to have more than one international study abroad experience, but they must complete any experience lasting a semester or longer before the senior year. Credit from approved programs is readily transferable toward a Wesleyan degree.

Students considering an international study abroad experience need to work with their faculty advisor early to accommodate both the study abroad experience and requirements for graduation. Students should also contact the study abroad coordinator in the Academic & Career Center to plan for program selection and course approval. Information regarding financial arrangements may be obtained from the Financial Planning Office.

Internships

Internships provide a valuable learning opportunity for undergraduate students. They reinforce and expand classroom learning, facilitate contacts within professional and business communities, and promote the development of practice-based self-confidence. These advantages can benefit graduates who enter the job market directly from college, as well as those who elect to pursue advanced higher education.

Students are eligible to complete credit-earning internships if they have a 2.5 GPA and first-semester sophomore status.

Internships allow students to apply their knowledge and organizational, communication and leadership skills in diverse settings that reflect the employment marketplace. Internships require clear learning objectives, faculty guidance, and an academic component. All internships approved for academic credit at Wesleyan function within the structure of individualized instruction. (See Individualized

Instruction, page 23.) Internships usually relate directly to a student's major or minor area of study and carry one to twelve hours of credit.

Internships originate with the student, although faculty, staff, and placement supervisor are committed to helping students translate their interests into sound experiential learning plans. Alumni also play an active role in facilitating career development opportunities for undergraduate students.

May Term

During the May Term, students at Wesleyan may enroll for course credit up to seven hours. The focused efforts of both students and faculty allow for more intensive concentration and greater flexibility in scheduling of class meetings or in teaching methods. It is also an excellent time to participate in field experiences, internships, or international travel courses.

Offerings include innovative special courses as well as courses meeting requirements for general studies, majors, and minors. Students may register for May Term during full year registration in the spring.

Minors

Students often select a minor to complement or support their major program. The selection of an academic minor is optional. In addition to the minors listed by discipline in the Instructional Offerings section on page 30, a student may design a contract minor combining related courses from more than one department. Planned in consultation with two faculty advisors and subject to Curriculum Council approval, such a contract minor should include 9-12 hours in one of the sponsoring departments and should not overlap courses in the major. Guidelines are available in the Office of the Registrar. See Policies under Requirements for Graduation on page 27.

Preprofessional Programs

Pre-Law Studies

The College offers a variety of academic majors and courses suitable for students interested in legal careers. General course recommendations based upon research from a range of law schools are available on-line. Students should consult with individual law schools to verify specific requirements. Students are encouraged to consult with their academic advisor and/or advising staff in the Academic & Career Center about majors and electives that best fit their individual needs. Admission to law school depends on performance in a demanding curriculum, leadership experience and research skills. More generally, it depends on communication skills and general analytical and reasoning abilities as measured by the Law School Admission Test (LSAT). History, political science, philosophy, and English are among majors frequently selected by undergraduates seeking admission to law school.

The following courses are recommended as providing valuable backgound for the pre-law student: Principles of Financial Accounting and Principles of Managerial Accounting, Principles of Macroeconomics and Principles of Microeconomics, history

(two courses), Classical Political Theory, Modern Political Theory, Constitutional Law, and philosophy (two courses, including Logic).

Pre-medical Studies — Allied Fields

Students planning to seek admission to professional schools in the fields of medicine, dentistry, physical therapy, optometry, pharmacy, podiatry, and veterinary medicine must demonstrate a strong foundation in the sciences. Students should plan to begin laying this foundation in the freshman year and should seek early advisement regarding recommended courses of study. Most students in this category complete majors in chemistry or biology; however, other majors are possible. Beyond coursework in the sciences, successful applicants to professional schools are advised to elect challenging courses in the humanities and social sciences and to develop strong communication skills.

Two pre-professional advisors (faculty members in Biology and Chemistry) offer a program of information and assistance to pre-professional students, including information on professional schools and the MCAT (Medical College Aptitude Test).

Pre-Seminary Studies

The pre-ministerial student planning to enter seminary should follow a program of studies which provides a broad cultural and intellectual foundation. The American Association of Theological Schools in the United States and Canada suggests that approximately three-fourths of the student's college work be taken in the following areas: (1) English and communication, including composition, literature, oral communication and related courses—six semesters; (2) history, including ancient, modern European, and American—three semesters; (3) philosophy—three semesters; (4) natural sciences, preferably physics, chemistry, or biology—two semesters; (5) social sciences—seven semesters; (6) foreign language—four semesters; and (7) religion—three semesters. Courses in Christian education and church leadership offer helpful preparation.

Many pre-ministerial students elect majors in English, philosophy, history, and religion.

How To Graduate

Degrees Awarded

West Virginia Wesleyan College confers six academic degrees: **Bachelor of Arts** (B.A.), **Bachelor of Fine Arts** (B.F.A.), **Bachelor of Music Education** (B.M.E.), **Bachelor of Science** (B.S.), **Bachelor of Science in Nursing** (B.S.N.), and **Master of Business Administration** (M.B.A.). The degree granted is determined by the choice of major, as listed on page 21, or for individualized majors, according to the content area of the program.

Degrees With Distinction

Students who earn at least 60 hours through regularly enrolled study at West Virginia Wesleyan and who complete all baccalaureate degree requirements with a GPA of 3.50 to 3.69 on both total record and credits earned at Wesleyan will be graduated *cum laude*; those who complete all such requirements with a GPA of 3.70 to 3.89 on both total record and credits earned at Wesleyan will be graduated *magna cum laude*; and those who complete all such requirements with a GPA of 3.90 on both Wesleyan and total records will be graduated *summa cum laude*.

Commencement

The Commencement ceremony is held at the end of the spring semester each year. In addition to May graduates, students who completed degree requirements during the previous summer and winter are awarded degrees during the program. Undergraduate students who expect to take up to seven credits to complete degree requirements during the ensuing summer may make application to the Dean of the College for permission to participate in Commencement. Guidelines for participation are available in the Academic Affairs Office.

Requirements for Graduation

In order to qualify for a Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music Education, Bachelor of Science in Nursing, or Bachelor of Science degree, each student must:

1 Earn a minimum of 120 semester hours of credit, at least 30 of which must be earned in residence.

2 Complete the general studies program and an academic major as described in the catalog in effect when the student entered the College.

3 Achieve a C average (2.0 grade point average) in all college work attempted, in all college work attempted at Wesleyan, and in each major and minor field of study. In addition, every student must earn a grade of C or better in Composition I, Composition II, and Fundamentals of Oral Communication.

Policies

Except in specifically approved degrees and majors, a maximum of 45 hours in an academic discipline may be counted toward the 120 hours required for graduation. Three hours over the limit in a discipline may be counted to accommodate an internship.

No more than four hours of physical education activities (PHED 101) may be counted toward the 120 credit hours required for graduation. For non-music majors, no more than eight hours of music ensemble may be counted toward the 120 credit hours required for graduation.

The College makes every reasonable effort to enable a student to complete one major in a timely fashion. Students who elect to complete more than one major or minor are responsible for completing all requirements of each major and minor without special accommodations regarding specific course and other requirements, course scheduling, and means of earning credit.

At least 24 of the last 30 semester hours of credit before graduation or entrance into an approved cooperative program for the senior year must be earned in residence.

Students are responsible for knowing and meeting degree requirements; the role of an academic advisor is to assist and advise only. Students with specific questions may consult with the Office of the Registrar.

Requirements for the Master of Business Administration degree are described on page 49. Information on the Five-Year Undergraduate/Master of Business Administration Program can be found on page 47.

Application for Degree

At least 12 months prior to anticipated completion of degree requirements, each candidate for a degree is required to file an application for degree in the Office of the Registrar. Requirements still to be met may then be confirmed in time to make appropriate adjustments. A charge is made for failure to comply with this regulation. Such failure may also result in postponement of graduation. Forms are available online or in the Office of the Registrar.

Bachelor's Degree After Professional School

Students accepted by certain advanced professional programs after earning at least 90 hours at Wesleyan, but prior to completion of a bachelor's degree, may receive a Wesleyan degree following successful completion of the professional program. Programs eligible for such an arrangement include but are not limited to schools of medicine, dentistry, veterinary medicine, optometry, pharmacy, and engineering.

Students in the category must not hold a bachelor's degree from another institution and then must meet certain requirements pertaining to general studies and major as well as grade point average and residency. Former students interested in receiving a Wesleyan degree through this plan may contact the Office of the Registrar.

Additional Majors and Bachelor's Degrees

A person who has earned a bachelor's degree from a regionally accredited college or university may earn another bachelor's degree from Wesleyan provided he or she meets minimal residency and curricular requirements. A graduate of Wesleyan may complete an additional major after graduation or, in some cases, earn an additional bachelor's degree, provided he or she meets specific requirements. Policy statements governing additional majors and degrees are available from the Office of the Registrar.

Instructional Offerings

Course Numbering System

The first of the three digits of the course number indicates the general level of instruction (target audience).

001 – 099 Developmental courses.

100 – 199 Courses taught at a level appropriate for the general freshman population.

200 – 299 Courses taught at a level appropriate for sophomores (determined by hours earned).

300 – 399 Courses taught at the general "upper division" level—i.e., for juniors and seniors.

400 – 499 Courses intended for seniors, except by departmental permission for juniors in the major field -- e.g., capstone seminars, senior research projects

500 – 799 Graduate courses.

- Students with a cumulative GPA of 2.7 or above, or who have passed an appropriate placement examination, are permitted to select courses one level above their class standing, except for 400-level courses. Students new from high school may do so if their high school GPA was 3.0 or above.
- Freshmen in the honors program or with a college cumulative grade point average of 3.25 or above may, with permission of the instructor(s), select courses two levels above their class standing.
- Graduate courses are open only to students who have earned a bachelor's degree and to students in the Five-Year Undergraduate/ M.B.A. Program.
- Students wishing to select advanced courses who do not meet the GPA or other requirements may petition the Admission and Academic Standing Council for permission to do so.

Accounting

See Business for description of major program.

Art

Assistant Professors: Margaret Davis, Kelvin Mason, Bradley Oiler, Carol Pelletier
Lecturer: Dorilou Oiler

The art program is designed to develop a knowledge of aesthetic elements and principles and the capacity to express one's creative potential. Emphasis is placed on the preparation of students for successful careers in art through study in such areas as painting, drawing, graphic design, ceramics, printmaking, art education, and art history.

The art facility has extended studio hours. The program of Sleeth Gallery, located in the facility, includes visiting artists, workshops, and curated exhibitions.

The rigorous and challenging programs of study in art are capped with a required internship experience in the chosen field of study. All studio art majors are required to participate in a senior exhibition and assemble a portfolio of successful work.

The contemporary art world contains a strong trend toward incorporating electronic media with traditional media to communicate conceptually. The intermedia concentration in the art major is designed to give students a range of conceptual tools with which to approach diverse media and processes in an integrated manner. Faculty serve as mentors and critics in this unique program of study, admission to which is selective.

Art scholarships are available to qualified students on a competitive basis. For information, contact the Office of Admission or the art department.

Requirements for Major

42-50 semester hours, including core courses plus requirements for one concentration as prescribed below. Art majors may count up to 48 hours in art plus a three-hour art internship (maximum of 51 hours in art) toward graduation.

Core Requirements (21 hours): ART 111, 112, 121, 122, 241, 242, 246.

Painting and Drawing Concentration (24-26 hours): ART 211, 212, 218, 320, 325, 330; art elective (3 hours); ART 395 (1-3 hours); ART 419, 420.

Ceramics Concentration (21-23 hours): ART 201, 220, 301 (6 hours); art elective (3 hours); studio art elective (3 hours); ART 395 (1-3 hours); ART 419, 420.

Graphic Design Concentration (24-26 hours): ART 260, 261, 361, 371, 373, 375; studio art elective (3 hours); ART 395 (1-3 hours); ART 419, 420.

Intermedia Concentration - Drawing and Painting/Graphic Design (27-29 hours): Admission, after the freshman year, based on letter of intent, portfolio review, and 3.5 GPA in art. The following courses, with supplemental assignments in each course: ART 211, 212, 260, 261; 320 or 325; 330, 371. The following courses: ART 350, 395, 419, 420. Two supplemental portfolio reviews each semester. A GPA of 3.5 or better in art is required in this concentration.

Intermedia Concentration - Ceramics/Graphic Design (24-26 hours): Admission, after the freshman year, based on letter of intent, portfolio review, and 3.5 GPA in art. The following courses with supplemental assignments in each course: ART 201, 220, 260, 261, 301 (6 hours). The following courses: ART 350, 395, 419, 420. Two supplemental portfolio reviews each semester. A GPA of 3.5 or better in art is required for graduation in this concentration.

Art Education Concentration (24 hours): ART 101; ART 201 or 220; ART 211, 215, 260, 315, 330; art elective (3 hours).

Requirements for Minor

24 semester hours, including ART 111, 112, 121, 122, 241, 242, plus 6 additional hours in one studio area.

ART 101. The Visual Experience. **3 hrs.**
An introductory course designed to aid students in their own appreciation of art by providing a basis for aesthetic judgment. Great works of art, illustrative of historical styles of architecture, sculpture, and painting, are studied with attention to line, form, space, and color. Illustrated by slides, reproductions, and, when possible, original works of art.

ART 111. Drawing I. **3 hrs.**
Introduction to fundamentals of drawing and seeing. Analysis and rendering of line, form, value, texture, and color through use of various media. Also principles of balance, proportion, rhythm, and unity.

ART 112. Drawing II. **3 hrs.**
Continuation of ART 111 with an emphasis on concept. *Prerequisite:* ART 111 or permission of instructor.

ART 121. Design Fundamentals I. **3 hrs.**
Introduction to the study of the elements of design, applicable to all problems of visual expression. Comprehensive consideration of the principles of color and composition. Experimentation and practice in the problems related to two-dimensional design.

ART 122. Design Fundamentals II. **3 hrs.**
Introduction to the study of design as applied to three-dimensional, sculptural work. Emphasis on additive, subtractive, and casting processes. Principles studied include balance, form, space, color, scale, and texture. *Prerequisite:* ART 121.

ART 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

ART 201. Ceramics. **3 hrs.**
An introduction to ceramics. Emphasis on construction techniques including pinch, coil, slab, and the traditional process of forming clay on the potter's wheel. Investigation of techniques for decorating, glazing, and firing.

ART 211. Painting I. **3 hrs.**
Introduction to painting. Comprehensive consideration of the principles of design and color and their application to pictorial composition. Experimentation in various media. *Prerequisite:* ART 111.

ART 212. Painting II. **3 hrs.**
Continuation of ART 211 with an emphasis on the figure. *Prerequisites:* ART 111 and 211 or permission of instructor.

ART 215. Methods of Teaching Elementary Art. **3 hrs.**
Pre-service teachers explore art media, techniques and processes, learn to evaluate the structure and purposes of art, and examine visual arts in relation to history and cultures. Students will learn and practice national, state and local guidelines for teaching art in grade levels K-4. They will assess the characteristics of their own and others' work and discover connections between visual arts and other disciplines in the curriculum. *Enrollment limited to elementary education majors and secondary education majors seeking K-12 certification in art.*

secondary education majors seeking 5-12 or K-12 certification in art. Concurrent enrollment in EDUC 306 recommended. Course may be offered on a contract basis. Student needs to coordinate this with the chair of the Art department.

ART 320. Advanced Painting. **3 hrs.**

Intensive investigation of composition and technique in painting with emphasis on the development of individual style. Student may work in various media. *Prerequisite:* ART 212 or equivalent. *May be repeated for credit.*

ART 325. Advanced Drawing. **3 hrs.**

The drawing considered as an art form with experiments in the emotional quality of drawing. Emphasis on quality and the development of a personal creative expression. *Prerequisite:* ART 112 or equivalent. *May be repeated for credit.*

ART 330. Printmaking. **3 hrs.**

A study of the fundamentals of intaglio processes—soft and hard ground etching, drypoint, aquatint, engraving, etc. Relief printmaking studied in some semesters. *Prerequisite:* ART 111. *May be repeated for credit.*

ART 350. Intermedia. **3 hrs.**

A team-taught, theory-based course focusing on the study of contemporary issues in art and including components in painting, installation art, digital art, graphic design, and ceramics. Students will build a portfolio, write an artist's statement, and make applications for professional exhibitions and graduate schools. *Prerequisites:* Admission to the Intermedia Concentration in art; ART 211, 212, 260, 261 for Drawing and Painting/Graphic Design emphasis; ART 220, 301 for Ceramics/Graphic Design emphasis.

ART 361. Desktop Publishing. **3 hrs.**

An introduction to the use of computer systems for graphic and publication design. Study of graphic design concepts and processes using the computer as a design and production tool. Advanced study of print production, color separation, color comprehension presentation, and pre-press production. *Prerequisite:* ART 260.

ART 371. Time-Based Design. **3 hrs.**

Examination of the effect of time within the digital domain and in the physical world. Primary focus on the exploration of digital sound environments, advanced 2-D and 3-D digital imaging and animation, and the design principles of the Web. The course will deal with screen-delivered computer graphics as well as alternative output options. *Prerequisite:* ART 260.

ART 373. Interactive Design. **3 hrs.**

Exploration of the structure of interactivity. Using digital imaging, sound, video and text, students will construct interactive applications to be delivered via local disks and by transmission. The course culminates in a fully developed interactive project using a variety of software and the Lingo programming language, which is pressed to a CD-ROM for dissemination. *Prerequisite:* ART 371.

ART 375. Advanced Design Studio. **3 hrs.**

Advanced study of design industry with specialized study of computer-generated publication design of portfolio pieces through electronic publication. *Prerequisite:* ART 361. *Offered in alternate years.*

ART 395. Internship. **1-3 hrs.**

Designed to provide on-the-job training during the last three semesters of student work. Following art department internship guidelines and in coordination with the art faculty, students will secure an appropriate internship assignment in the field of their concentration. Summer internships encouraged. *Prerequisite:* Art major in last three semesters of study.

ART 419. Senior Seminar I. **1 hr.**
A two-part formulation and in-depth study of a problem in the art student's major area of concentration carried out with the approval and guidance of a departmental advisor, culminating in a senior thesis exhibition and an oral defense of the exhibition the following semester. *In combination with ART 420, satisfies advanced composition requirement for general studies. Prerequisite:* Senior art major in good standing.

ART 420. Senior Seminar II. **1 hr.**
Continuation of ART 419. *In combination with ART 419, satisfies advanced composition requirement for general studies. Prerequisite:* ART 419.

Arts Administration

Requirements for Major in Arts Administration
54-60 semester hours, including core requirements and requirements for the specific track.

Core Requirements: 31 semester hours including BUSI 111, 131, 141, 232, a 3-hour elective in marketing; COMM 340, 342, 345, 496; and ECON 120. COMM 320 and 329 are recommended.

Art Track: 25-27 semester hours including ART 111, 121, 241, 242, 246, 261, 395; MUSC 215; and THRE 110.

Music Track: 27-29 semester hours including MUSC 101, 102, 215, 322; sufficient study in a chosen field of applied music to attain level 4; 2 hours of ensemble credit; a 1-3 hour senior internship in music; ART 101; and THRE 110.

Theatre Track: 23-25 semester hours including THRE 120, 129, 210, 250, 316, 395; DANC 101; ART 101; and MUSC 215.

Athletic Training

Program Director: Jean M Fruh. MS, ATC, CSCS (ACI), (Assistant Professor)
Assistant Professor: Jeremy Sibold, M.Ed., ATC (ACI)(CIE)
Instructor: Wanda Swiger, M.Ed., ATC (ACI)
Clinical Instructors: Rae Emrick, MS, ATC, CSCS (ACI)
Tammie Hammon, MS, ATC (ACI)

The athletic training major provides students with theoretical knowledge and understanding of the profession of athletic training. The major blends classroom instruction and structured clinical experiences through a process that results in students' gaining eligibility to sit for the National Athletic Trainers' Association Board of Certification (NATABOC) examination upon graduation from Wesleyan. Students who graduate from the program and subsequently pass the national certification exam will be qualified to be employed as athletic trainers in secondary schools (see third paragraph, below), in colleges and universities, for professional athletic teams, in sports medicine clinics, or in industrial preventive medicine clinics. In addition, students will be well prepared to pursue graduate level studies in athletic training and, upon completion of specified prerequisite coursework, advanced degrees in movement science, exercise physiology, physical therapy, medicine (including physician's assistant programs), health, and physical education. **The major is accredited by the Commission on Accreditation of Allied Health Education Programs**

ART 218. Life Drawing. **3 hrs.**
Students draw from the model using a variety of media as a means of understanding form, shape, and line. Initially, shorter poses emphasize training in immediate response to gesture and form. As the course progresses, longer poses enable students to work on large format drawings emphasizing heightened realism. *Prerequisites:* ART 111, 112.

ART 220. Ceramic Sculpture. **3 hrs.**
An introduction to handbuilt ceramics. Emphasis on concept, design, and forming processes as they relate to ceramic sculpture. Students will explore sculpture concepts while working with a wide range of construction techniques including pinch, coil, slab, modeling, casting, and wheel throwing. Various firing and glazing processes will be used. *Prerequisite:* ART 201.

ART 241. Survey of Art I: Ancient and Medieval. **3 hrs.**
Historical study of architecture, sculpture, painting, and the minor arts of the Western world. Art is presented as an objectification and record of man's major beliefs and ideas. *Offered in alternate years.*

ART 242. Survey of Art II: Renaissance and Modern. **3 hrs.**
Continuation of ART 241. *Prerequisite:* ART 241. *Offered in alternate years.*

ART 246. History of Twentieth Century Art. **3 hrs.**
A study of important Western art of the twentieth century including painting, sculpture, and architecture. Beginning with the major contributions of the movements of the late nineteenth century, students will explore the ideas of modern, Western art on both sides of the Atlantic Ocean. *Offered in alternate years.*

ART 260. Computer Illustration. **3 hrs.**
Introduction to digital environments and their uses as both tool and medium. Focus on the technical operations of the computer's hardware and software as well as the industry's jargon. Exploration of digital imaging (both raster and vector-based graphics) and their applications. Investigations of illustration techniques, scanned and video image manipulation, and production for hard copy imaging. Software includes Illustrator, Photoshop, etc. *Prerequisite:* ART 121. *Offered in alternate years.*

ART 261. Graphic Design. **3 hrs.**
A study of the processes involved in translating ideas into commercial, graphic images. Emphasis on design and layout for print production. Areas of investigation include idea generation, packaging, layout, typography, and presentation for client approval. *Prerequisite:* ART 260. *Offered in alternate years.*

ART 265. Web Design. **3 hrs.**
A course where special design considerations involved in engineering media for the world wide web. Design techniques and software will be used to combine this media content into an on-line interactive experience. Software environment used will be HTML.

ART 301. Advanced Ceramics. **3 hrs.**
Consideration of complex hand-built forms and techniques of wheel-forming. Study of basic glaze chemistry and body formulation, advanced decorating techniques, and various firing methods. Emphasis on ceramic history, experimental techniques and individual creative expression. *Prerequisites:* ART 201 and 220. *May be repeated for credit.*

ART 315. Methods of Teaching Art (Grades 5-12). **3 hrs.**
Study of emotional, artistic and cognitive development of adolescents and young adults as foundation for planning instruction and management related to their specific interests, abilities and issues. Curriculum development including art making, art history, art criticism and aesthetics in a variety of instructional formats reflecting national, state and local curricular standards and frameworks. Evaluation of methods used for assessing student and teacher performance. *For*

(CAAHEP).

The academic and fieldwork demands of the athletic training major make it virtually impossible for students to complete the program and participate in a dual semester sport or co-curricular activity that requires a significant time commitment. At the end of the first year of study at Wesleyan, a student who wishes to participate extensively in intercollegiate athletics or co-curricular activities will have to make a choice between the activity and completion of the athletic training program.

Students who wish to combine athletic training with a second major in teacher education must fulfill all requirements of both the athletic training major and the teacher education program, including the specific requirements for the desired teaching field(s). This combination will require more than four years to complete.

Admission to and Continuation in the Athletic Training Program

Technical Standards for Admission

The athletic training program at West Virginia Wesleyan College is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Educational Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Allied Health Education Programs (CAAHEP)). The following abilities and expectations must be met by all students admitted to the Athletic Training Educational Program. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted to the program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the NATABOC certification exam.

Candidates for selection to the WVWC Athletic Training Educational Program must demonstrate:

1. the mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgements and to be able to distinguish deviations from the norm.
2. sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely, and efficiently use equipment and materials during the assessment and treatment of patients.
3. the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgements and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice.
4. the ability to record the physical examination results and a treatment plan clearly and accurately
5. the capacity to maintain composure and continue to function well during periods of high stress
6. the perseverence, diligence and commitment to complete the athletic training education program as outlined and sequenced.
7. flexibility and the ability to adjust to changing situations and uncertainty in clinical situations
8. effective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the athletic training educational program will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards.

The Office of Student Development will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws.

If a student states he/she can meet the technical standards with accommodation, then the College will determine whether it agrees that the student can meet the technical standards with reasonable accomodation this includes a review as to whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

Although students are accepted into the College as athletic training majors, continuation in the major depends upon successful completion of specific program requirements, including in-service training sessions, observation hours, academic prerequisites, written application and interview. Admission into the program is selected and limited. The eligibility requirements below are listed in order of importance. Freshmen apply for admission to the program during the fall semester. Transfer applicants may apply during their first semester on campus. Students are accepted into the program in the spring semester and formally begin the major the following semester.

Students must meet the following eligibility requirements for formal admission into the athletic training program:

1 A cumulative grade point average of 2.5 or higher.
2 Completion of the following prerequisites with no grade below C (2.0): BIOL 151, 152; PHED 130, 140, 155, 160; PSYC 101.
3 Submission of a written application, including two letters of recommendation.
4 Successful completion of an interview with the athletic training faculty and clinical instructors.
5 Completion of 60 observation hours.
6 Attendance at a Universal Precautions in-service program, AHA-CPR/AED Certification in-service program (w/required certification) and proof of HBV vaccination (or initiation of the series)

Section criteria are weighted as follows:

Overall Grade Point Average	10%
Pre-requisite Courses GPA	20%
Written Application	15%
Letters of Recommendation	10%
Interview	20%
Clinical Competencies	15%
Observation Hours	10%
	100%

Following initial acceptance into the program, the student must meet the following criteria to remain in good standing within the program:

1. Earn no grade below a C (2.0) in the required coursework within the major and maintain a minimum of a 2.75 cumulative grade point average during the junior and senior years

2. Demonstrate continual progress in attainment of the required clinical competencies (each semester) and minimum of 800 hours clinical fieldwork.

Requirements for Major

67-69 semester hours, including PHED 130, 140, 155, 160, 163, 211, 212, 213, 214, 240, 260, 276, 311, 312, 313, 320, 325, 372, 396, 401, 403, 404, 411, 412, 480; BIOL 151, 152; CHEM 105, 106, 107L, 108L or CHEM 161, 163L, 221, 223L; PSYC 101.

Additional information on the athletic training program is available through the West Virginia Wesleyan College Office of Admission and in the Athletic Training Program Director's Office, Rockefeller Physical Education Center.

Biology

Professors: Carl Colson, Katharine Gregg, Rodger McCormick

Associate Professors: Jeffrey Simmons, Jeanne Sullivan

Assistant Professor: Ben Whitlock

Lecturers: Cathleen Dobbs, Ben Goodwin, Mary Miller

The Department of Biology offers courses for both majors and non-majors. General Microbiology and the Human Anatomy and Physiology sequence provide nursing and other allied health students with basic biological knowledge. General Biology, Human Life Science, Environmental Science, and other offerings satisfy the general studies laboratory science requirement by introducing students to scientific thinking that is grounded in laboratory experience.

Principles of Biology, Genetics, Introduction to Physiology, and Experimental Biology serve as the beginning core sequence for biology majors. Students completing the B.S. degree in biology will be able to (1) demonstrate factual knowledge in the major fields of biology: molecular and cellular biology, organismal physiology, genetics, ecology, evolution, and systematics; (2) conduct experiments, analyze data, and present conclusions in scientific format; (3) comprehend and analyze current scientific literature and communicate their understanding orally and in writing; and (4) work effectively in groups to solve problems. In addition, the major prepares students for their chosen careers by providing preprofessional training for future students of medicine, dentistry, optometry, veterinary science, pharmacy, medical technology, physical therapy, and other allied health fields; by preparing them for graduate studies in biological and environmental sciences; by providing training for those choosing biology as a teaching field; and by giving students a solid background for careers in diverse fields such as pharmaceutical sales, laboratory technology, and horticulture.

For requirements for majors and minor in environmental science, see page 80.

Requirements for Major

46-47 semester hours, including BIOL 160, 250, 252, 254, 342, 344; either BIOL 310 or 320; either BIOL 312 or 316; either BIOL 360 or both BIOL 354 and 355L; BIOL 497; CHEM 161, 163L, 221, 223L; one course selected from MATH 110, 130, 150, 161.

Biology majors are expected to take BIOL 160, 250, 252, and 254 in sequence as prerequisites for further majors' courses. BIOL 342 and 344 are required in the junior year. Majors must take CHEM 161, 163L, 221, 223L in their freshman or sophomore year. In special circumstances, exceptions to these sequence requirements may be made by the department chair. CHEM 222, 224L and PHYS 151, 152 are recommended.

Requirements for Minor

16-17 semester hours, including BIOL 160, two 4-hour courses numbered 250 and above, and either a third 4-hour course numbered 250 and above or both BIOL 342 and 344.

Requirements for Human Biology Minor

15-16 semester hours, including BIOL 110 or 160; BIOL 151 and 152; and either BIOL 220, 250, 330, or 360.

BIOL 110. General Biology. **3 hrs.**
An introduction to biology for allied health students and for other non-majors. Emphasis on cells, biological molecules, energy, basic metabolism, and genetics, with a brief survey of ecology and evolution. Laboratory included. Does not count toward a biology major. *Students may not receive credit for both BIOL 110 and BIOL 160. Offered fall semester.*

BIOL 120. Plant Science. **3 hrs.**
The study of the significance of plants to human life and interrelationships between plants and people. Emphasis on plant variety, structure, and function to aid in growing and enjoying plants in the home and garden. Introduction to important plant products (foods, beverages, spices, medicines, poisons, fibers, lumber). Laboratory and field trips included. Designed for non-majors.

BIOL 130. Environmental Science. **3 hrs.**
A study of the relationships between humans and the natural world. Basic principles of biology, population studies, natural resources, food, energy, pollution, environmental ethics, etc. Laboratory included. Designed for non-majors; may be used as an elective for the major or minor with permission.

BIOL 140. Human Life Science. **3 hrs.**
Major topics include normal and abnormal functioning of the human body, human evolution and genetics, and recent advances in medical and biological science. Discussion of controversial topics of moral and ethical concern. Laboratory included. For non-biology majors.

BIOL 151. Human Anatomy and Physiology I. **4 hrs.**
A study of the structure and function of the human body with emphasis on cells, tissues, skin and the coordination and control of body movements; skeletal, muscular and nervous systems are covered. Laboratory and lectures. *Prerequisite:* Athletic training or nursing major. *Offered fall semester.*

BIOL 152. Human Anatomy and Physiology II. **4 hrs.**
Continuation of BIOL 151; emphasis is placed upon the interactions of endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems and the maintenance of metabolism and fluid and electrolyte balance of the human body. Laboratory and lectures. *Prerequisites:* BIOL 151, athletic training or nursing major. *Offered spring semester.*

BIOL 160. Principles of Biology. **4 hrs.**
A survey of the principles of biology at the molecular and cellular levels, including energetics, reproduction, genetics, evolution, and ecology. Laboratory included. *Students may not receive credit for both BIOL 160 and BIOL 110. Offered fall semester.*

BIOL 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BIOL 220. General Microbiology. **4 hrs.**
Designed for non-majors planning careers in nursing, dental hygiene, nutrition, physical therapy, medical technology, or other allied health fields. Emphasizes medically important microorganisms, their characteristics, identification, pathogenicity, toxigenicity, and control. Other topics include

human disease resistance and immunity, epidemiology, and food and water microbiology. Lecture and laboratory. *Prerequisite:* BIOL 152. *Pre- or co-requisites:* CHEM 106, 108L or 221, 223L. *Offered spring semester.*

BIOL 250. Genetics. **4 hrs.**

A study of the principles of inheritance and the nature of the genetic material. Emphasis upon contemporary developments. Training in laboratory procedures, statistical treatment of data, and logical interpretation of scientific research. *Prerequisite:* BIOL 110 or 160. *Offered spring semester.*

BIOL 252. Introduction to Physiology. **4 hrs.**

Study of basic, comparative, and ecological physiology, with an emphasis on animal systems. Lectures and laboratory investigations of thermoregulation, nerve function, osmoregulation, and other physiological processes. Discussion of the historical development of ideas in physiology and of selected topics from current research. *Prerequisites:* BIOL 110 or 160; BIOL 130 or 250. *Offered fall semester.*

BIOL 254. Experimental Biology. **4 hrs.**

Basic principles of experimental design and statistics for biology majors, primarily using higher plants as experimental organisms. Necessary plant physiology will be included in lectures, thus complementing BIOL 252 to give students an understanding of the physiology of both animals and plants. Group and individual laboratory experiments and laboratory reports will be an integral part of the course, with emphasis on proper format, statistical analysis, synthesis, use of primary scientific literature, and source documentation. *Prerequisite:* BIOL 252 or, for B.A. environmental science majors only, BIOL 250 or 252. *Offered spring semester.*

BIOL 310. Ecology. **4 hrs.**

A study of the relationships of plants and animals to their environment. The concepts of energy flow, ecosystems, communities, and population ecology will be discussed. Assigned readings and discussion of original source materials. Lectures, laboratories and field trips. *Prerequisites:* BIOL 254; CHEM 161, 163 or CHEM 105, 107L. *Offered fall semester.*

BIOL 312. Plant Systematics. **4 hrs.**

An introduction to systematics, diagnosis, identification, and classification of higher plants, with emphasis on local flora and flowering plant families of West Virginia. Lectures, laboratory, independent group research project, and field trips. *Prerequisite:* BIOL 254 (or BIOL 120, with permission). *Offered fall semester, alternate years.*

BIOL 316. Vertebrate Zoology. **4 hrs.**

A study of the evolution, systematics, adaptations, and natural history of the vertebrates. Lectures, laboratory and field trips. *Prerequisite:* BIOL 254. *Offered fall semester, alternate years.*

BIOL 320. Animal Behavior. **4 hrs.**

A study of animal behavior, with an emphasis on the evolution and adaptive value of behavior. Topics include sexual selection and mate choice, parental care, sociality, communication, and the neural and hormonal basis of behavior. Field and laboratory studies of the behavior of diverse animals. Laboratory stresses independent student projects, in which students design, carry out, analyze, and present an experiment in any area within the discipline. *Prerequisite:* BIOL 254 or permission of instructor. Recommended for psychology majors. *Offered fall semester, alternate years.*

BIOL 330. Histology. **4 hrs.**

A study of animal tissues including a survey of techniques and laboratory practice in selected procedures. *Prerequisite:* BIOL 254 or BIOL 212. *Offered spring semester, alternate years.*

BIOL 340. Comparative Anatomy. **4 hrs.**
A comparative evolutionary study of different vertebrate anatomical systems with emphasis on the dissection of the shark, mudpuppy, and cat. *Prerequisite:* BIOL 254. *Offered spring semester, alternate years.*

BIOL 342. Survey of Organisms. **2 hrs.**
Laboratory survey of the earth's biota, including the major divisions or phyla of bacteria, protists, fungi, plants, and animals. Emphasis on recognition of these groups, their key characteristics, and adaptations to challenging environmental conditions. *Prerequisite:* BIOL 254. *Co-requisite for biology majors:* BIOL 344. *Offered spring semester.*

BIOL 344. Evolution. **3 hrs.**
Study of biological evolution at all levels, from genetic change in a population to macroevolutionary patterns. Topics will be drawn from the disciplines of population genetics, cladistics, evolutionary ecology and paleontology. Discussion of current theories concerning adaptation, speciation, extinction, and the origin of life. *Prerequisite:* BIOL 250. *Offered spring semester.*

BIOL 354. Molecular Cell Biology. **3 hrs.**
A study of the relationship between structure and function at the cellular level. Topics covered include biologically important macromolecules, DNA replication, transcription, translation, respiration, photosynthesis, and recombinant DNA technology. *Prerequisites:* BIOL 254, CHEM 221, 223L. *Offered fall semester, alternate years.*

BIOL 355L (also CHEM 355). Molecular Cell Biology Laboratory. **1 hr.**
Laboratory exercises which emphasize the techniques and theories of isolating and characterizing biologically important compounds. Techniques include PCR, spectrophotometry, chromatography, electrophoresis, Southern blot analysis, and gene cloning. *Co-requisite:* BIOL 354 or CHEM 350. *Offered fall semester, alternate years.*

BIOL 360. Principles of Microbiology. **4 hrs.**
Designed for students planning to pursue careers in microbiology, biochemistry, ecology, environmental science, medicine, pharmacy, dentistry, optometry, veterinary science, etc. Surveys diversity, ecology, cell biology, metabolism, taxonomy, genetics, and pathogenesis. Laboratory stresses aseptic technique, safety, biochemical characterization, slide preparation, microbial isolation and genetic transformation. Lecture and laboratory. *Prerequisites:* BIOL 254; CHEM 221, 223L. *Offered spring semester.*

BIOL 370. Ecosystem Management. **3 hrs.**
In-depth, comparative study of major ecosystem types including marine, aquatic and terrestrial systems. Includes concepts in ecosystem function such as biomass production, nutrient cycling, diversity, stability, resilience and succession and their application in real-life case studies of land and wildlife management. Assigned readings and discussion of primary scientific literature. Lecture/discussion with two Saturday field trips. *Prerequisites:* BIOL 110 or 160, BIOL 130. *Offered spring semester, alternate years.*

BIOL 372. Environmental Analysis. **4 hrs.**
Basic principles of experimental design and statistics, sampling protocols, and techniques for analyzing soil and water samples for inorganic pollutants. Early in the course students will actively participate in a scientific study of the Buckhannon River Watershed. Later in the semester each student will design and conduct an individual research project. Types of analyses that will be conducted include pH, conductivity, and concentrations of nitrate, phosphate and heavy metals. Laboratory and field trips. *Prerequisites:* BIOL 130, 254; CHEM 105, 107L or 161, 163L. *Offered spring semester, alternate years.*

BIOL 374. Immunology. **3 hrs.**
An in-depth study of the mammalian immune system at the cellular and molecular level. The course emphasizes the components of the response (such as antibodies and lymphocytes) and

how they work together to prevent infection. A portion of the course will focus on the techniques used by immunologists to gather and analyze data. In addition, the mechanism and treatment of allergy, autoimmunity and inflammation will be discussed. *Prerequisites:* Junior or senior biology or chemistry major. *Offered spring semester, alternate years.*

BIOL 376. Forest and Wetland Ecosystems. 4 hrs.

Nature is the classroom for this examination of community and ecosystem ecology of forests and wetlands in the Appalachian region. In field trips each week and on two Saturdays students will learn to use topographic maps, identify woody species, perform plant surveys, delineate wetlands and measure ecosystem processes. Lecture topics will include tree physiology, community and ecosystem ecology, soils, and wetland structure and function. *Prerequisite:* BIOL 254. *Offered fall semester, alternate years.*

BIOL 378. Aquatic Ecology. 4 hrs.

A study of the physical, chemical, and biological characteristics of aquatic ecosystems including lakes, streams, and shallow water marine systems. Field and laboratory studies will be conducted on aquatic organisms and the quality of the chemical and physical environment in which they live. Special emphasis will be placed on studying the impact of human activities on aquatic ecosystems. *Prerequisites:* BIOL 110 or 160, BIOL 254; CHEM 105, 107L or 161, 163L. *Offered spring semester, alternate years.*

BIOL 496. Seminar in Environmental Issues. 2 hrs.

Oral and written presentations on current scientific and popular articles concerning environmental issues related to the course theme. Perfecting skills in scientific communication is emphasized. A new theme is selected each semester. *Satisfies advanced composition requirement for general studies. Prerequisite:* BIOL 130. *Offered spring semester, alternate years.*

BIOL 497. Seminar. 2 hrs.

Oral and written presentations on current research papers from the primary biological literature. Emphasizes perfecting skills in scientific communication. Topic is selected by the students. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior standing or permission of faculty. *Offered spring semester.*

BIOL 498. Research. 1-2 hrs.

Independent research in environmental or biological science that allows the student to carry out a literature search, design an independent experiment, perfect field and laboratory skills, conduct data analysis and practice scientific communication. *Prerequisites:* BIOL 254; CHEM 106, 108L or 221, 223L, or permission of instructor. *May be repeated once for credit.*

Business

Associate Professors: Michael Ervin, Jeffrey Godwin, Anthony Gum, Thomas Leonard, Hamid Shaafi

Assistant Professors: Scott Fleming, Russell Francis

Senior Lecturer: David McCauley

Lecturer: Susan Aloi

Programs in business prepare men and women for careers in business that require decision making in a complex setting. The programs' two overriding goals are to provide for all students, through the College's general studies core curriculum, *a firm base of liberal education* that will develop within them a global view of human understanding; and to present business instruction so that students may understand *the functions of the business firm as a whole and the purposes of functional areas of business in particular.*

The business faculty recognize that the growing, rapidly changing character of American and world business demands that individuals involved in the decision-making process of business firms project their thinking to the future. They must be *creative and innovative* while understanding the successes and failures of the past. Wesleyan's strong liberal arts component provides students a foundation from which to evaluate the business firm's social and moral responsibilities and their own individual responsibilities as they develop a personal philosophy of business.

The programs in business lead to the Bachelor of Science and Master of Business Administration degrees.

Undergraduate Programs

Requirements for Major in Accounting (C.M.A. track or C.P.A. track), Business Administration, Finance, International Business, Management, or Marketing; Bachelor of Science Degree

45-63 semester hours, including core requirements and requirements for the specific major. PSYC 205 (Business and Industrial Psychology) may be credited as a business elective where applicable. *Students may declare a major in only one of the seven business areas, and they may not combine a business minor with any business major.*

Core Requirements (33 hours): BUSI 111, 114, 131, 141, 221, 250, 497; ECON 110, 120, 250; CSCI 250.

Accounting Major, C.M.A. track (30 hours): BUSI 211, 212, 217, 218, 219, 313, 314, 318, 319, 332.

Accounting Major, C.P.A. track (30 hours): BUSI 211, 212, 213, 217, 219, 311, 315, 318, 319, and a 3-hour elective in business at the 200 level or above.

Business Administration Major (18 hours): BUSI 222, 232, 342, and 9 hours of business electives at the 200 level or above.

Finance Major (18 hours): BUSI 225, 226, 324, 325, 332, and a 3-hour elective in business at the 200 level or above.

International Business Major (12-18 hours): BUSI 234, 244, 324; ECON 331; and 6 hours of a single foreign language or proficiency in a native language other than English.

Management Major (18 hours): BUSI 230, 232, 330, 332, and 6 hours of business electives at the 200 level or above.

Marketing Major (18 hours): BUSI 242, 340, 342, 343, and 6 hours of business electives at the 200 level or above.

The department recommends that majors elect the following courses, some of which will fulfill general studies requirements: PHIL 230; PSYC 101; SOCI 101; a political science course; and MATH 110 or 130. MATH 161 is strongly recommended for all students who plan graduate study.

Requirements for Business Minor

15 semester hours, including BUSI 111, 131, 141, and two 3-hour business electives, one at the 200 level or above and one at the 300 level or above.

BUSI 111. Principles of Financial Accounting. **3 hrs.**

Introduction to the fundamental principles involving business transactions necessary for financial reporting.

BUSI 114. Principles of Managerial Accounting. **3 hrs.**
An examination of accounting methods from the viewpoint of management. Topics are related to the analysis and use of financial information. *Prerequisite:* BUSI 111.

BUSI 131. Principles of Management. **3 hrs.**
The study of management concepts and practices applicable to all organizations and their impact on planning and organizational development. This course covers a range of management topics, including policy formation, managerial functions, organization theory, motivation, and time management.

BUSI 141. Principles of Marketing. **3 hrs.**
Examination of the theoretical and practical foundations of marketing in a global-managerial framework. Emphasis on applied economics and marketing-mix decision variables: product, pricing, channels, and promotion. Group projects, case studies, and computer simulations. Business calculator required. *Pre- or co-requisite:* Any 100-level math course except MATH 150 or placement in MATH 161.

BUSI 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BUSI 211. Intermediate Accounting I. **3 hrs.**
A study of the accounting statements and the limitations involved in their preparation. Emphasis is on accounting theory and concepts and on analysis of the problems that arise in applying these concepts to financial accounting. Alternate views to the generally accepted position are explored and evaluated. *Prerequisite:* BUSI 114.

BUSI 212. Intermediate Accounting II. **3 hrs.**
Continued emphasis on accounting concepts; on conflicts and limitations that exist within the traditional structure of accounting theory. Attention is focused on the use of accounting information as a basis for decision making of management, stockholders, creditors, and other users of financial statements and accounting reports. *Prerequisite:* BUSI 211.

BUSI 213. Intermediate Accounting III. **3 hrs.**
Continuation of Intermediate Accounting II. Application of accounting theory to equity concepts. Other topics include leases, pensions, income taxes, accounting changes, and special accounting topics. *Prerequisite:* BUSI 212.

BUSI 215. Managerial Accounting. **3 hrs.**
A survey of accounting methods from the viewpoint of management, income measurement, analysis of and interpretation of accounting data, internal cost reports, operation budgets, standard costs, transfer jobs, job and process costing, capital budgeting. *Prerequisite:* BUSI 114.

BUSI 217. Cost Accounting I. **3 hrs.**
Emphasis is placed on the cost data accumulation methods used in a job order and in a process cost system. *Prerequisite:* BUSI 114.

BUSI 218. Cost Accounting II. **3 hrs.**
Emphasis is placed on controlling costs through budgeting and standard cost systems. Detailed attention is given to cost analysis and profit planning as they relate to decision making. *Prerequisite:* BUSI 217.

BUSI 219. Accounting Information Systems. **3 hrs.**
An introduction to the design and operation of data processing systems used to manage business transactions and accumulate information for financial and managerial accounting needs. Includes experience in using integrated accounting system software and spreadsheets. *Prerequisite:* BUSI 114.

BUSI 221. Principles of Finance. **3 hrs.**

A study of the methods and instruments used to finance the operations of a firm. Emphasis on the value of the firm and how financial decisions affect that value. Additional topics include working capital management, leverage, risk, cost of capital, and dividend policy. *Prerequisite:* BUSI 114.

BUSI 222. Financial Planning. **3 hrs.**

An overview of the personal financial planning process: establishing goals and objectives, forecasting lifetime income, evaluating alternative investments, money management, and taxation. Includes concepts, theories, and analytical methods used in financial planning. *Prerequisite:* BUSI 114.

BUSI 223. Fundamentals of Investing. **3 hrs.**

Introduction to basic financial concepts relating to marketable investment choices (common stock, debt securities, options, futures, etc.). The student will examine the analysis and research necessary to make good investment choices and learn some of the language of investments. *Prerequisite:* BUSI 111.

BUSI 225. Intermediate Finance. **3 hrs.**

Analysis and discussion of financial theories and practice relating to major corporate financial decisions—long-term investment and financing. Topics include cost of capital, capital structure, risk analysis, capital budgeting, long-term financing, financial forecasting, and financial analysis and planning. *Prerequisite:* BUSI 221.

BUSI 226. Financial Institutions. **3 hrs.**

Analysis of the principles underlying decision making in the administration of specialized financial institutions and activities, such as commercial banks, insurance companies, finance companies, mutual funds, investment banking, mortgage banking. *Prerequisite:* BUSI 221.

BUSI 230. Human Resource Management. **3 hrs.**

Personnel problems of operating management. Policy decisions and practices involving selection, recruitment, training, job analysis and evaluation, work load, motivation, remuneration, morale, discipline, personnel appraisals, management development, and other areas. *Prerequisite:* BUSI 131.

BUSI 232. Organizational Behavior. **3 hrs.**

An examination of the "people" side of management. The study of organizational behavior attempts to understand why people behave the way they do in organizations. Includes such topics as teamwork, group dynamics, motivation, and leadership. *Prerequisite:* BUSI 131.

BUSI 234. International Business Management. **3 hrs.**

The many considerations of management in the global context. Includes topics such as various cultural, legal, and social environments. Special attention is given to corporate social responsibility and ethics. *Prerequisite:* BUSI 131.

BUSI 242. Advertising Management. **3 hrs.**

Integrates theory with planning, management, and strategy. Draws on the extensive research in advertising, consumer behavior, communications, marketing, and sales promotion to provide a basis for understanding the marketing communications process, how it influences the consumer decision process, and how to develop effective promotional strategies. Group projects on promotional design and media planning. *Prerequisite:* BUSI 141.

BUSI 244. International Marketing. **3 hrs.**

Examination of marketing managerial processes in international contexts. Analysis of the impact of international economics, culture, and nationalistic governmental policies on trade patterns and marketing decision making in multinational firms. *Prerequisite:* BUSI 141.

BUSI 246. Sales Management. **3 hrs.**
Introduction to selling viewed from principles and practices, management, policy formulation, the selling process, selecting personnel and training. *Prerequisite:* BUSI 141.

BUSI 250. The Legal Environment of Business. **3 hrs.**
A survey course in business law designed to introduce students to a wide array of legal considerations in organizational life. *Satisfies advanced composition requirement for general studies.*

BUSI 311. Advanced Accounting. **3 hrs.**
A study of partnerships, special sales procedures, consolidations, fiduciaries, and fund accounting. Emphasis is on the consolidation of corporate holdings given various complex situations. *Prerequisite:* BUSI 213.

BUSI 313. Certified Management Accountant Review I. **3 hrs.**
A current and comprehensive analysis of Certified Management Accountant exam content specifications in preparation for the CMA Uniform Exam. *Prerequisite:* BUSI 218.

BUSI 314. Certified Management Accountant Review II. **3 hrs.**
Continuation of BUS 313. *Prerequisite:* BUSI 313.

BUSI 315. Auditing. **3 hrs.**
Work of accountant in investigating, interpreting, and appraising accounting and related records. *Prerequisite:* BUSI 217.

BUSI 318. Income Tax Accounting I. **3 hrs.**
A study of income tax law as it applies to the individual, partnership, and corporation. Emphasis is on the preparation of individual returns and the understanding of how to research the answer to a tax question using standard tax research aids. *Prerequisite:* BUSI 114.

BUSI 319. Income Tax Accounting II. **3 hrs.**
Theory and practice in the areas of partnership, corporate, estate, and trust taxes, with emphasis on the accounting and management planning aspects. Income tax regulations and analysis of income tax considerations relative to each type of entity. *Prerequisite:* BUSI 318.

BUSI 324. International Corporate Finance. **3 hrs.**
International considerations in corporate financial decision making, investment, and financing. Exchange rate forecasting, capital budgeting for foreign subsidiaries, international capital markets, international financing and capital structure decisions, multinational financing, multinational capital management, direct foreign investment. *Prerequisite:* BUSI 221.

BUSI 325. Advanced Financial Analysis. **3 hrs.**
Examination of the tools and techniques of financial planning and analysis at the level of the firm. Topics include capital budgeting, working capital management, capital structure strategy, and financial planning and forecasting. *Prerequisite:* BUSI 221.

BUSI 330. Operations Management. **3 hrs.**
A survey of the quantitative techniques used in the modern business organization. A number of deterministic and probabilistic models will be introduced with an emphasis on their application to relevant business problems. *Prerequisite:* BUSI 131.

BUSI 332. Leadership. **3 hrs.**
The study of leadership is the study of social influence. An examination of the history of leadership research, the major models of leadership, and the components of leadership. Special attention is given to the "Transformational Leadership" model. *Prerequisite:* BUSI 131 or permission of instructor.

BUSI 336. Management Science. **3 hrs.**
A study of the applications of various mathematical techniques to the solution of modern business problems. Topics include decision tables, linear programming, network analysis, inventory models, PERT, and simulation. *Prerequisite:* ECON 250.

BUSI 337. Labor Management. **3 hrs.**
Historical development of the labor movement, collective bargaining, role of government in the labor field, wage and employment theory, and the public interest. *Prerequisite:* BUSI 131.

BUSI 340. Marketing Research. **3 hrs.**
Examines the role of marketing research in business decision making. Emphasis on technical and substantive issues in conducting survey research. Group research projects include questionnaire design, data collection, data analysis, and interpretation and presentation of findings. *Prerequisites:* BUSI 141, ECON 250.

BUSI 342. Marketing Strategy. **3 hrs.**
Examines the strategic, tactical, and administrative issues surrounding marketing management decisions. Draws heavily on applied economics, the behavioral sciences, applied mathematics, and managerial accounting. Case studies, computer simulations, and marketing plans. *Prerequisite:* BUSI 141.

BUSI 343. Marketing and Consumer Behavior. **3 hrs.**
Examines the interactive influences of affect, cognition, behavior, and the external environment on the consumer decision process. Emphasis on causal research design and analysis. Group research projects include hypothesis development, experimental or quasi-experimental design, data collection and analysis, and theory testing. *Prerequisite:* BUS 141.

BUSI 347. Topics in Marketing. **3 hrs.**
Examines the current and classical literature relevant to marketing. Topics may include applied economics, applied social psychology, ethics and social responsibility, nonprofit marketing, and marketing and technology. *Prerequisite:* BUSI 141.

BUSI 352. Business Communications. **3 hrs.**
Focuses on principles and techniques involved in organizing ideas, writing effective business letters, and presenting reports, both oral and written.

BUSI 497. Business Policy and Strategy. **3 hrs.**
An integrative capstone course bringing into focus the interrelationship of the functional areas—accounting, finance, production, marketing, human resources, information systems—which, together with the necessary attitudes and skills, are required of managers to make a business successful, considering its environment and public responsibilities. Students apply what they have learned in core and specialized area courses to the overall management function in the enterprise. Includes significant research, writing, and presentation components. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior business major.

Five-Year Undergraduate/Master of Business Administration Program

The Five-Year Undergraduate/Master of Business Administration Program articulates undergraduate and graduate study so that students majoring in business or economics can graduate after five years with a bachelor's degree in their chosen major plus the Master of Business Administration degree. This program enables accounting majors to earn the M.B.A. degree while accumulating the 150 hours of college credit required to take the C.P.A. examination. The program requires 120 hours of undergraduate work and 30 to 33 hours of graduate work. Economics majors complete all undergraduate degree requirements. Business majors complete all undergraduate degree requirements except for BUSI 497, Business Policy and Strategy. A maximum of 12 graduate hours may be waived for students who complete an undergraduate principles-level course *and* an appropriate second-level course for each M.B.A. course waived. Courses subject to waiver are:

for Accounting (C.M.A. and C.P.A. track) majors: BUSI 510, 530, 540, 610 (12 hours)

for Business Administration majors: BUSI 510, 530, 540 (9 hours)
for Economics majors: BUSI 510, 530, 540, 560 (12 hours)
for Finance majors: BUSI 510, 520, 530, 620 (12 hours)
for International Business majors: BUSI 510, 520, 530, 540 (12 hours)
for Management majors: BUSI 510, 530, 540, 630 (12 hours)
for Marketing majors: BUSI 510, 530, 540, 640 (12 hours)

**BUSI 530 will be waived if the student has completed a 300-level course in management.*
**BUSI 540 will be waived if the student has completed a 300-level course in marketing.*

Students who have earned a 3.0 cumulative grade point average and are interested in the Five-Year Undergraduate/Master of Business Administration Program must make application to he Director of the M.B.A. Program during their junior year. The M.B.A. Admission Committee will notify students of its decisions. *Admission to the College does not automatically admit students to this program.* Students admitted to the program may begin taking M.B.A. courses during their fourth year, or they may choose to begin graduate courses during the summer between years four and five.

Students who wish to be awarded the bachelor's degree before the end of the five-year program will be required to complete *all* undergraduate degree requirements, including, for business majors, BUSI 497, Business Policy and Strategy.

Master of Business Administration Program

The Wesleyan Master of Business Administration program offers an integrative general management curriculum that prepares managers to think and lead at all levels of an organization. The broad-based curriculum strives to create organizational leaders with multiple skills who can analyze business problems from a variety of perspectives and exercise ethical judgments when finding solutions. At the core of the program are the functional areas of business: accounting, finance, management, and marketing; these are supported by courses in behavioral science, economics, and quantitative analysis. The objectives of the program are to offer a curriculum with a rich philosophy about judgment, analysis, and action via a healthy mix of theory and practice; to provide a unified and innovative core curriculum that provides focus and continuity; to provide outstanding, student-centered teaching that results from faculty who are current in their fields and committed to developing students as ethical decision makers; and to offer a curriculum that balances technical and substantive issues in management.

The 42-semester hour program is designed to be pursued either on an intensive schedule by full-time students or on a part-time basis by business professionals, using evening and summer class opportunities. A supplement to this catalog which contains detailed information on admission and academic policies and tuition and fees is available upon request from the M.B.A. Office, which can also provide course schedules.

Admission

Application for admission to the program is invited from anyone who holds a bachelor's degree from an accredited college or university, regardless of undergraduate major. Applicants should complete the application form and return it to the Director of the M.B.A. Program along with

1 a current curriculum vitae showing relevant work experience;
2 a non-refundable application fee of $30;
3 two letters of recommendation (one from an employer and one from a professor);
4 official transcripts of all undergraduate and graduate work;
5 an official report of the Graduation Management Admission Test (GMAT); and

6 if an international student, an official report of the Test of English as a Foreign Language (TOEFL).

Based on the recommendations of the M.B.A. Admission Committee, the M.B.A. Director will make admission decisions and notify applicants in writing of those decisions.

Undergraduate Foundation Courses

Although Wesleyan's M.B.A. Program is designed for students committed to a career in business, regardless of their undergraduate major, all students are required to have a basic knowledge of business. Before students may enter the M.B.A. Program, they must complete the following prerequisite foundation courses or pass an examination to demonstrate their knowledge of the subject: Financial Accounting, 3 hours; Microeconomics, 3 hours; Statistics and Computers, 3 hours.

Requirements for Master of Business Administration Degree

All candidates must

1 Complete 42 semester hours, including BUSI 510, 520, 530, 540, 550, 560, 570, 610, 620, 630, 640, 700; plus 6 hours selected from other graduate business courses or courses approved for transfer from other institutions;

2 Earn at least 30 hours in residence;

3 Achieve a cumulative B average (3.0 grade point average) in all courses applicable toward the M.B.A. degree and in all M.B.A. work completed at Wesleyan.

Policies

M.B.A. courses are graded A, B, C, and F. Students must repeat a course in which they receive an F; students may also repeat courses in which they earn a C. While the original F or C will remain on the transcript, when the course is repeated satisfactorily, the F or C will not be counted further in the grade point average.

See Grades and Quality Points, page 131, and Withdrawal from Courses, page 130, for explanations of transcript notations of I (incomplete), W (withdrawal), and WF (withdrawal failing).

Students must maintain a 3.0 grade point average (GPA) to remain in good standing. Students whose GPA falls below 2.75 after attempting twelve or more semester hours of course work will be on academic probation and will be given nine additional hours in which to raise the GPA to 3.0. Students who fail to attain the 3.0 GPA during this probationary period are subject to dismissal from the program.

Students who earn two Fs will be dismissed from the program.

Students are permitted to transfer from other graduate schools up to twelve semester hours of graduate credit with grades of B or better, subject to approval by the Director of the M.B.A. Program. Courses must have been completed within five years prior to admission to Wesleyan's M.B.A. Program.

Students must complete all M.B.A. course requirements within seven years from the date of enrollment in their first Wesleyan M.B.A. course.

BUSI 510. Accounting I: Financial Accounting. **3 hrs.**
Introduction of the rationale for, and implications of, fundamental accounting concepts and accounting procedures with the goal of preparing students to interpret, analyze, and evaluate

financial statements. The importance of financial statements in the managerial decision-making process is emphasized.

BUSI 520. Finance I: Fundamentals of Finance. **3 hrs.**
Introduction to the concept of time value of money and its effect upon financial decisions. The course also addresses the idea of risk-return tradeoffs, essentials of capital budgeting, identification and estimation of relevant cash flows, and evaluation of alternatives on a comparable basis.

BUSI 530. Management I: Management Theory and Leadership. **3 hrs.**
Introduction to the fundamental concepts and practices of management and leadership. The course covers the core functions: planning, organizing, leading, and controlling. Topics include strategic decision making, models of leadership, process design and control, total quality management, organizational design and structure, and project management.

BUSI 540. Marketing I: Marketing Management. **3 hrs.**
A course emphasizing the decisions that marketing managers face in their efforts to bring together the objectives and resources of their organizations with the needs and opportunities in the marketplace. The strategies, tactics, and administrative issues surrounding marketing decisions are addressed by integrating the four functional areas of business in a market-drive simulation. In addition, the theoretical foundations of marketing management are explored.

BUSI 550. Quantitative Methods for Management. **3 hrs.**
An introduction to statistical methods as they apply to business and economics. Emphasis is placed on using computer tools to analyze data and preparing written reports based on the analyses. The course is designed to assist the M.B.A. student to better understand the nature of decision making using standard statistical tools. Problem solving and class discussion are the primary techniques of instruction, with one additional directed assignment using computer-based research tools to conduct statistical analyses.

BUSI 560. Managerial Economics. **3 hrs.**
Application of microeconomic concepts and decision science to managerial problems. Topics include the theory of consumer behavior, the theory of the firm, the theory of market structures and pricing, game theory, linear programming, input-output analysis, statistical estimation, forecasting, and capital budgeting. *Completion of BUSI 550 prior to enrolling in this course is recommended.*

BUSI 570. Applied Ethics for Management. **3 hrs.**
A study of ethical decision making in a business context. Topics include ethics and a free market ideology, the competitive advantage of ethics-based thinking, uncovering organizational ground rules, breaking the gridlock of competing interests, frameworks for ethical decision making, conflicts between businesses and publics, and the relationship between business culture and business ethics. Case studies and presentations are the primary learning tools.

BUSI 571. Ethical Issues in Marketing **3 hrs.**
Ethical frameworks and case studies for the analysis of marketing decisions, especially as regards pricing, product management, promotion and distribution, and advertising and personal selling.

BUSI 580-589. Special Topics. **3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BUSI 590-599. Independent Studies. **3 hrs.**
Each student is permitted to take a maximum of six graduate hours of independent studies. These courses are jointly designed and developed by the student and a sponsoring faculty member to satisfy the student's need for individual applied research topics.

BUSI 610. Accounting II: Management Accounting. **3 hrs.**
A study of special topics in cost accounting: budgeting, profit control, tax planning, inventory control, and decision models. Cash forecasting, modeling the financial requirements of the firm,

and analyzing the financial statements for investment decisions are also covered. *Prerequisite:* BUSI 510.

BUSI 620. Finance II: Financial Management and Policy. **3 hrs.**
Advancing the theoretical constructs of corporate financial decision making, this course covers the important decisions that financial managers face as they balance such issues as capital budgeting, cost of capital, dividend policy, long-term financing and mergers, and working capital management. *Prerequisite:* BUSI 520.

BUSI 630. Management II: Organizational Behavior. **3 hrs.**
The "people" side of management. With emphasis on understanding why people behave the way they do in organizations, the course examines variables at the individual, group, and organizational levels. Topics include individual differences, perception, values and attitudes; motivation; group dynamics; teamwork; communication; leadership; power and politics; conflict management; organizational design and structure; job design; organizational culture; and organizational change.

BUSI 640. Marketing II: Marketing Research. **3 hrs.**
An examination of the role of marketing research in business decision making. The course addresses both substantive and technical aspects of marketing research: problem definition, data collection, data analysis, and interpreting and communicating research findings. The theory undergirding the course maintains that one must carry out research in a field setting to fully understand the processes involved in designing relevant, timely, and accurate research studies. Students will gain experience in applying research concepts and methods to current business problems. *Prerequisite:* BUSI 550.

BUSI 680-689. Special Topics. **3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BUSI 690-699. Independent Studies. **3 hrs.**
Each student is permitted to take a maximum of six graduate hours of independent studies. These courses are jointly designed and developed by the student and a sponsoring faculty member to satisfy the student's need for individual applied research topics.

BUSI 700. Business Policy. **3 hrs.**
The capstone M.B.A. course, designed to integrate the functional areas of business: accounting, finance, management, and marketing. Patterned after the method of the Harvard Business School, this case-oriented course draws on readings, group analysis, written reports, panel discussions, and oral presentations. *Prerequisites:* BUSI 510, 520, 530, 540, 550, 560, 570, 610, 620, 630, 640.

Chemistry

Professor: Allen Hamner

Assistant Professors: Rebecca Bliesner, Steve Johnson

Lecturer: Shanita Wine

Students who complete a chemistry major will (1) demonstrate knowledge in the four main fields of chemistry: inorganic, organic, analytical including spectroscopy, and physical chemistry; (2) design and execute experiments, analyze data and present conclusions; (3) work effectively in groups; (4) comprehend, analyze and communicate findings from chemical literature; and (5) obtain the skills for employment or for professional or graduate school. The B.A. degree program prepares students for future studies in medicine, pharmacy, optometry, as well as teaching, and is especially strong in combination with the B.S. degree in biology. The B.S. in chemistry provides a more intensive chemistry background for the

health fields, for employment, or for graduate work in chemistry. General Chemistry and Principles of Chemistry are introductory courses that count toward the general studies laboratory science requirement.

Requirements for a Bachelor of Science Major

56 semester hours including CHEM 161, 163L; 221, 222, 223L, 224L; 231, 233L; 240, 242L; 331, 332, 333L, 334L, 340, 341L, 398, 399, 497; chemistry electives (4 hours); MATH 161, 162; PHYS 151,152. Departmentally approved substitutes may be taken in place of certain laboratories. Required elective hours must be at the 200 level or above.

Requirements for a Bachelor of Arts Major

25 semester hours including CHEM 161, 163L; 221, 222, 223L, 224L; 231, 233L; 398, 497; 6 hours of chemistry electives, including at least 1 hr. of any CHEM laboratory course except CHEM 335. Departmentally approved substitutes may be taken in place of certain laboratories. Required elective hours must be at the 200 level or above.

Requirements for Minor

16 hours, including CHEM 161, 163L, 221, 222, 223L, 224L, 231, 233L.

A student in any course for which there is a corresponding laboratory must enroll in that laboratory or its approved substitute, except with approval of the department.

CHEM 105. General Chemistry I. **3 hrs.**

A general studies survey course, appropriate for students in nursing, athletic training and related fields. Lecture. *Co-requisite:* CHEM 107L. *CHEM 105-106 and labs do not count toward a major or minor in chemistry.*

CHEM 106. General Chemistry II. **3 hrs.**

Continuation of CHEM 105. *Prerequisites:* CHEM 105, 107L. *Co-requisite:* CHEM 108L. *Students may not receive credit for both CHEM 106 and lab and CHEM 221 and lab.*

CHEM 107L. General Chemistry I Laboratory. **1 hr.**

The laboratory for CHEM 105. *Co-requisite:* CHEM 105.

CHEM 108L. General Chemistry II Laboratory. **1 hr.**

The laboratory for CHEM 106. *Prerequisites:* CHEM 105, 107L. *Co-requisite:* CHEM 106.

CHEM 161. Principles of Chemistry. **3 hrs.**

Concepts and problem solving for science majors including those in pre-medicine and related fields. Particular emphasis is placed on areas that are typically neglected or only minimally studied in high school chemistry courses. Lecture. *Prerequisite:* High school chemistry or CHEM 105, 107L. *Co-requisite:* CHEM 163L.

CHEM 163L. Principles of Chemistry Laboratory. **1 hr.**

The laboratory for CHEM 161. *Prerequisite:* High school chemistry or CHEM 105, 107L. *Co-requisite:* CHEM 161.

CHEM 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

CHEM 221. Organic Chemistry I. **3 hrs.**

A one-semester survey including functional groups, fundamental concepts, nomenclature and reactions. Lecture. *Prerequisites:* CHEM 161, 163L. *Co-requisite:* CHEM 223L. *Students may not receive credit for both CHEM 221 and lab and CHEM 106 and lab.*

CHEM 222. Organic Chemistry II. **3 hrs.**
An in-depth exploration of organic chemistry with emphasis on mechanisms, synthesis and spectroscopy. Includes an introduction to biochemistry. Lecture. *Prerequisites:* CHEM 221, 223L. *Co-requisite:* CHEM 224L.

CHEM 223L. Organic Chemistry I Laboratory. **1 hr.**
The laboratory for CHEM 221. *Prerequisites:* CHEM 161, 163L. *Co-requisite:* CHEM 221.

CHEM 224L. Organic Chemistry II Laboratory. **1 hr.**
The laboratory for CHEM 222. *Prerequisites:* CHEM 221, 223L. *Co-requisite:* CHEM 222.

CHEM 231. Inorganic Quantitative Analysis. **3 hrs.**
Principles and techniques of analytical chemistry with emphasis on systems in equilibrium; volumetric, gravimetric, and instrumental analyses. Includes statistical treatment of data. Lecture. *Prerequisites:* CHEM 161, 163L. *Co-requisite:* CHEM 233L.

CHEM 233L. Inorganic Quantitative Analysis Laboratory. **1 hr.**
The laboratory for CHEM 231. *Prerequisites:* CHEM 161, 163L. *Co-requisite:* CHEM 231.

CHEM 240. Instrumental Analysis. **3 hrs.**
Principles and techniques of common spectroscopic methods, with emphasis on problem solving. *Prerequisites:* CHEM 221, 223L or permission of instructor. *Co-requisite:* CHEM 242L.

CHEM 242L. Instrumental Analysis Laboratory. **1 hr.**
The laboratory for CHEM 240. *Prerequisites:* CHEM 221, 223L or permission of instructor. *Co-requisite:* CHEM 240.

CHEM 250. Environmental Chemistry. **3 hrs.**
Study of the fundamental chemical aspects of environmental problems. This includes atmospheric chemistry, toxic substances, water chemistry, global warming, and other environmental concerns. *Prerequisites:* CHEM 221, 223L or permission of instructor. *Co-requisite:* CHEM 251L.

CHEM 251L. Environmental Chemistry Laboratory. **1 hr.**
The laboratory for CHEM 250. *Prerequisite:* CHEM 221 or permission of instructor. *Co-requisite:* CHEM 250.

CHEM 331. Physical Chemistry I. **3 hrs.**
Study of macroscopic chemical systems through thermodynamics and kinetics. *Prerequisites:* CHEM 231, 233L; MATH 162; PHYS 152. *Co-requisite:* CHEM 333L.

CHEM 332. Physical Chemistry II. **3 hrs.**
Molecular view of chemical systems originating from quantum mechanical principles including structure, spectra and dynamics. *Prerequisites:* CHEM 231, 233L; MATH 162; PHYS 152. *Co-requisite:* CHEM 334L.

CHEM 333L. Physical Chemistry I Laboratory. **1 hr.**
The laboratory for CHEM 331. *Prerequisite:* CHEM 231, 233L; MATH 162; PHYS 152. *Co-requisite:* CHEM 331.

CHEM 334L. Physical Chemistry II Laboratory. **1 hr.**
The laboratory for CHEM 332. *Prerequisite:* CHEM 231, 233L; MATH 162; PHYS 152. *Co-requisite:* CHEM 332.

CHEM 340. Advanced Inorganic Chemistry. **3 hrs.**
A survey of the chemistry of non-metal and transition metals, with emphasis on covalent and coordination compounds and acid-base systems. *Prerequisite:* CHEM 231, 233L. *Co-requisite:* CHEM 341L.

CHEM 341L. Advanced Inorganic Chemistry Laboratory. **1 hr.**

The laboratory for CHEM 340. *Prerequisites:* CHEM 231, 233L. *Co-requisite:* CHEM 340.

CHEM 350. Biochemistry. **3 hrs.**

Structure, function, and metabolism of biomolecules, with emphasis on the flow of energy. *Prerequisites:* CHEM 222, 224L.

CHEM 355L. Molecular Cell Biology Laboratory. **1 hr.**

Description under BIOL 355.

CHEM 360. Specialized Chemical Analysis. **2 hrs.**

Principles and applications of the less common techniques of chemical and instrumental analyses. *Prerequisites:* CHEM 231, 233L.

CHEM 398. Experimental Design. **1 hr.**

A lecture course that teaches experimental design through an examination of primary chemical literature. Students will design and propose a research project that the B.S. major will carry out the subsequent fall in CHEM 399. *Prerequisites:* CHEM 231, 233L.

CHEM 399. Research. **1-2 hrs.**

Laboratory activities to acquaint the student with the process of chemical research, including literature search. *Prerequisites:* CHEM 221, 223L, 231, 233L. *May be repeated once for credit.*

CHEM 497. Seminar. **2 hrs.**

Development of scientific communication skills; oral and written presentations derived from the primary chemical literature; introduction to on-line literature search skills. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior-status chemistry major or minor.

Christian Education and Church Leadership

Professor Emerita: Phyllis Coston

Associate Professor: Marvin Carr

Lecturers: John F. Lacaria, Angela Gay Kinkead

The Christian education major offers a solid blend of practice and theory for persons preparing for ministry as pastors, Christian educators, youth ministers, and church and community workers. The major is certified by the United Methodist Board of Higher Education and Ministry. It prepares persons for work in the church and for graduate theological studies.

Areas of competency in theory and practice include (a) sound orientation for ministry, certification, and ordination; (b) critical appreciation and knowledge of the Bible, theology, and Christian education theory; (c) a working knowledge of human and faith development; (d) teaching-learning skills sharpened in local church and mission settings.

Within the major students may choose to earn a letter of endorsement for specialization in children's ministry, youth ministry, family ministry, outreach ministry or pastoral leadership. Focused internships are related to these areas.

Requirements for Major

33 semester hours, including CHED 110, 120, 210, 310; one ministry area course selected from CHED 240, 250, 260, 270, 322; CHED 395, 411, 412; RELG 221 or 222; RELG 330 or 335; EDUC 201 or PSYC 235 or 236. Students who plan to be certified by the United Methodist Church in Christian Education or Youth Ministry are required to take RELG 208 (United Methodist Heritage).

Requirements for Minor in Christian Education
15 semester hours in Christian education, including CHED 310.

Requirements for Minors or Letters of Endorsement: Degree-seeking students not majoring or minoring in Christian education may declare a minor in any of the following five areas of specialization. Christian education majors and minors and non degree-seeking students who complete these areas of specialization will be awarded letters of endorsement that may enhance opportunities for employment or volunteer work. The internship (CHED 395) must be related to the area of specialization.

Requirements for Children's Ministry Minor or Letter of Endorsement.
18 semester hours, including CHED 120, 310, 395; PSYC 235 or EDUC 201; SOCI 220; and one additional course in Christian education.

Requirements for Youth Ministry Minor or Letter of Endorsement.
18 semester hours, including CHED 310, 322, 395; PSYC 236; SOCI 310; and one additional course in Christian education.

Requirements for Family Ministry Minor or Letter of Endorsement.
18 semester hours, including CHED 260, 310, 395; PSYC 236; SOCI 220; and one additional course in Christian education.

Requirements for Outreach Ministry Minor or Letter of Endorsement.
15 semester hours, including CHED 240, 310, 395; SOCI 210; and one additional course in Christian education.

Requirements for Pastoral Leadership Minor or Letter of Endorsement.
15 semester hours, including CHED 250, 270, 310, 395 and SOCI 220.

CHED 110. Introduction to Church and Service Vocations. **3 hrs.**
An introduction to opportunities for Christian ministry and service vocations as an ordained elder or deacon or as a lay person. Discussion with professionals concerning standards and expectations.

CHED 120. Foundations, Curriculum and Children. **3 hrs.**
A study of curriculum theory, curriculum materials, and personal learning styles and teaching skills, with an emphasis on teaching the Bible to and working with children.

CHED 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

CHED 210. Leadership in the Church. **3 hrs.**
Leadership processes in the life of the church; theology of the church as it relates to ministry; group dynamics and planning procedures; structures and programming for ministry.

CHED 240. Outreach Ministry. **3 hrs.**
Application of social concern principles to the needs of persons through actual experience of volunteer service; orientation to church efforts to cooperate with social agencies; study of poverty. Involves volunteer service.

CHED 250. Introduction to Worship. **3 hrs.**
Spiritual and biblical foundations, history, and practice of Christian worship with particular attention to the sacraments, the liturgical calendar, patterns of worship, contemporary worship practices, planning of worship within contexts, liturgy and the arts, and use of corporate prayer.

CHED 260. Family and Intergenerational Ministry. **3 hrs.**
A study of ministry to families in today's diverse and changing society, including ways to develop effective intergenerational programs in church settings.

CHED 270. Spiritual Disciplines for Church Leaders and Educators. 3 hrs.
Exploration of the nature and practice of spiritual disciplines (excluding corporate worship), drawn from classical and contemporary traditions. All those interested, especially current and future church leaders and teachers, will acquire a foundation for their personal spiritual practices as well as approaches that will encourage and support such practices within the life of faith communities.

CHED 310. Christian Education Theory. 3 hrs.
The implications of theology and Christian education theory for the practice of Christian education. A historical survey, including the Sunday school, religious education, and Christian education movements; leading theorists and issues.

CHED 322. Youth Ministry. 3 hrs.
A study of effective youth ministry in the context of their changing world and values, including leadership dynamics, developmental theory, teaching/learning principles and methods, teaching the Bible to youth, theological interpretation, and ethical issues.

CHED 395. Focused Internship. 3 hrs.
Orientation and practice in youth, outreach, children's, or family ministry or pastoral leadership under qualified professionals in the church and/or church agencies. The internship is governed by a contract designed by the instructor in consultation with the field supervisor and the student.

CHED 411. Senior Field Work I. 3 hrs.
Development of teaching and learning skills in local church settings and in planning and leading teacher training workshops. Application of Bible and theology in light of human growth and faith development. Clarification of professional standards and personal objectives. *Prerequisite:* CHED 310.

CHED 412. Senior Field Work II. 3 hrs.
Refinement of comprehension of contemporary theories of teaching-learning in relation to theology and practice. Senior research paper: reflection on a relevant issue in light of theology and Christian education theory. *Prerequisite:* CHED 310.

College

COLL 104. College Study Strategies. 1 hr.
College Study Strategies is designed to help students make the academic adjustment to college life. Students will develop a working knowledge of and apply the Information Processing model of memory to personal strengths and weaknesses related to academic performance, choose appropriate and effective academic strategies to understand and remember information associated with current academic course work, become familiar with the process of monitoring their own learning, develop an awareness of personal reasons for attending college, demonstrate an understanding of their own learning style as it relates to academic growth and development, and exchange ideas and observations about factors that inhibit and promote wholesome academic and social functioning. *This course is open to freshmen and sophomore students only.*

COLL 109. Tutor Training Level I. 0-1 hr.
An introduction to tutoring based on the philosophy that the goal of tutoring is the student's independence. The class emphasizes tutor guidelines, goals, responsibilities, roles, and strategies appropriate for the tutorial session. This quarter course is among the requirements for students wishing to tutor in the Student Academic Support Services tutoring program and has been designed to meet the tutor certification criteria through the College Reading and Learning association. *If the course causes an overload, it may be taken for zero credit. Prerequisite:* GPA of 3.0 or above in the subject to be tutored.

COLL 150. Career Planning. **1 hr.**
A course designed primarily for "undecided" students. Participants identify and evaluate their interests, skills, and career options through a series of interactive exercises and guided workshops. *Open only to freshmen and sophomores.*

COLL 305. Graduate School Test Preparation. **1 hr.**
A course designed to give students an opportunity to study and prepare for the various examinations required for admission to graduate schools. (GRE, LSAT, GMAT, etc.) Students take four full-length model tests over the course of the semester, analyze their test results and use the analysis to plan their preparation.

COLL 405. Job Search for Seniors. **1 hr.**
Seniors prepare to "market" themselves through the development of applied skills in resume and cover letter writing and job search techniques. Intensive interviewing practice includes videotaped interviews for self-critique.

Communication

Professors: Kathleen Long
Associate Professors: Danette Johnson
Assistant Professors: Elizabeth Oppe, Sandra Presar
Instructor: Kristi Lawrence

The Communication Department offers two fields of study: Communication Studies and Public Relations. The majors examine how humans make and interpret meaning through the design, delivery and evaluation of messages as individuals, in media, and in various cultures. While Communication Studies focuses on the impact of these messages on the individual, the Public Relations major examines the communication between organizations and their various publics. Both programs emphasize analytical thinking, writing and oral expression. In addition, majors are required to complete an internship which creates a bridge between theory and applied knowledge. Students in both majors graduate with a broad background upon which to base graduate study in areas such as communication, organizational behavior, or public relations. Others apply their knowledge and skills to careers in communication, business, public relations, media, or service-oriented fields.

Non-majors, as well as majors, are encouraged to benefit from a flexible program of courses and co-curricular activities. Students may consult with any departmental faculty to select courses which may prove helpful in achieving individual goals. *Majors and minors within the department may not be combined.*

Both major programs are built upon six core courses. Students undecided about a major may take these courses before selecting their particular major. The six courses that make up the core are: COMM 111, 230, 318, 320, 327 and an internship (495 or 496).

Requirements for Communication Studies Major

36 semester hours including COMM 111, 221, 226, 230, 318, 320, 324, 325, 327, 495, 5 hours of electives in communication, and PSYC 101. Also required are four semesters of participation in C92-FM Radio or *The Pharos* newspaper or equivalent, at least two semesters of which must be in radio.

Requirements for Communication Studies Minor

15 semester hours including COMM 221, 226, 230, 320, 327; two semesters of participation in C92-FM Radio or *The Pharos* newspaper or equivalent, at least one semester of which must be in radio.

Requirements for Public Relations Major

38 semester hours including COMM 111, 230, 232, 235, 318, 320, 327, 340, 342, 344, 345, 496, and 3 hours of electives in Communication.

Requirements for Media Studies Minor

17 semester hours including COMM 230, 232, 235; two semesters of 239; 325, 340; two semesters of participation with major responsibilities in C92-FM or *The Pharos* or equivalent, one of which must be in broadcasting.

COMM 111. Introduction to the Communication Discipline. 1 hr.

An introduction to the discipline of communication that focuses on how people generate meanings within and across contexts, cultures, channels, and media. Experiences and projects will be offered to allow students to assess their own communication competence levels and methods of study and research that are used across the communication field. *Prerequisite:* Communication studies or public relations major.

COMM 121. Intercultural Communication Within the United States. 3 hrs.

A theoretical and practical survey of the intrapersonal and interpersonal dimensions of communication between co-cultures in the United States. Examination of the distinctive cultural orientations, behaviors, expectations, and values that affect our ability to communicate effectively with people from diverse cultures and co-cultures.

COMM 188, 288, 388, 488. Special Topics. 1-3 hrs.

A course or seminar on selected topic within the discipline that is not otherwise represented in the curriculum.

COMM 211. Fundamentals of Oral Communication. 3 hrs.

An introduction to the fundamental concepts involved in any communication situation. Contemporary theories in intrapersonal, interpersonal, small group, and public address will be studied. Practical communication experience will be provided through classroom exercises, projects and speeches. *A 1-hour lab section is required for this course (no credit). Students are required to earn a* C *or better in this course in order to graduate. Prerequisite:* ENGL 102.

COMM 215. Public Speaking. 3 hrs.

The advanced study of preparation and delivery techniques for public speeches. Students will research and organize several types of speeches and present them using a variety of delivery styles. *Prerequisite:* COMM 211. *Offered fall semester, even years.*

COMM 221. Interpersonal Communication. 3 hrs.

A study of the situational and developmental views in building interpersonal communication and its influence in the enhancement, maintenance, and/or deterioration of relationships. Students will explore interpersonal communication theories, styles, competence levels and coding structures. Emphasis will also be given to various relational contexts, functions and patterns. *Prerequisite:* COMM 211. *Offered spring semester.*

COMM 226. Public Address. 3 hrs.

Study of critical analysis of public discourse emphasizing uses of argument and language, historical context, and speaking occasion. Contemporary rhetorical theories will be discussed as means of evaluating public discourse. Strong emphasis on development of argumentative writing skills. *Prerequisite:* COMM 211. *Offered fall semester.*

COMM 230. Introduction to Media Studies. 3 hrs.

An examination of the historical development of mass media, including print, radio, television and film. Government and other control, FCC laws, ethics and responsibility, and the effects of the mass media on our society and the future will be discussed.

COMM 232. News Media Writing. **3 hrs.**
Practice in the process of writing for the news media including investigation, design, and completion of publishable or airable news stories for all media contexts: newspaper, magazine, radio, television, and electronic. Discussion of various perspectives on social, institutional and individual responsibility, and ethics in information gathering and reporting. *Prerequisites:* ENGL 102.

COMM 235. Basic Video Production. **3 hrs.**
Students will be trained in basic video production techniques. Emphasis will be on video message and image design, mastery of camera and location shooting, lighting and sound production, editing techniques, and post-production. *Prerequisite:* COMM 211, 230.

COMM 239. Broadcasting Practicum. **1 hr.**
The student will complete an independent study, under the guidance of the instructor, on an advanced project in radio or video research and production. Each student will be responsible for the "pitch," design, and implementation of his or her own original project. *Pre or co-requisites:* COMM 230, and instructor's permission. *May be repeated for a total of six hours of credit.*

COMM 318. Communication Research Methods. **3 hrs.**
Introduction to communication research design and experimental, survey, field, and ethnographic methodologies. Students will analyze and critique theory, research methodology and design in published studies, and prepare an original research paper. *Prerequisite:* Junior with at least 12 hours in communication or permission of instructor. *Offered fall semester.*

COMM 320. Small Group Communication. **3 hrs.**
A study of communication in small groups with a balance between theories of small group communication and practical procedures and techniques for improving the functioning of groups. *Prerequisite:* COMM 211. *Offered spring semester.*

COMM 324. Communication Theory. **3 hrs.**
Examination of the history, nature and purpose of communication theory, including predominant current theories in rhetoric and interpersonal, small group, mass, and organizational communication and the role of communication theory in allied areas, such as health, law, family communication, international relations, and conflict resolution. *Prerequisite:* Junior with at least 12 hours in communication or permission of instructor. *Offered fall semester, odd years.*

COMM 325. Seminar in Communication. **3 hrs.**
A seminar designed to study advanced concepts in communication theory. Special topics not covered in the regular course offerings will be discussed. *Satisfies advanced composition requirement for general studies. Prerequisite:* Junior or senior with at least 12 hours in communication or instructor's permission. *Offered spring semester, odd years.*

COMM 327. Persuasion. **3 hrs.**
A study of public reasoning and argumentation theory. Introduction to motivational appeals and social scientific approaches to creating and evaluating persuasive messages. *Prerequisite:* COMM 211. *Offered spring semester.*

COMM 329. Organizational Communication. **3 hrs.**
A survey of organizational structure and the impact an organization's design and operation have on its communication processes. Exploration of organizational communication theory and research with emphasis on preparing students to function effectively in formal organizations' dynamic communication systems and to solve problems involving the interactions of people and messages in organizations. *Prerequisite:* COMM 211. *Offered fall semester, odd years.*

COMM 340. Public Relations Principles and Practice. **3 hrs.**
Introduction to the principles, processes, history, and practice of public relations. Students will learn the nature of public opinion, the application of problem-solving processes to case studies, and the use of persuasion and marketing skills in public relations practice. *Prerequisite:* COMM 211. *Offered fall semester.*

COMM 342. Public Relations Writing. **4 hrs.**
Advanced study of the selection and development of public relations writing tools. Emphasis will be on competence in grammar, spelling, and punctuation and choosing the most appropriate medium for the communication task. The writing tools necessary for application in individual and personal communications, publications, and the mass media will be developed. *Satisfies advanced composition requirement for general studies. Prerequisite:* COMM 340. *Offered spring semester.*

COMM 344. Public Relations Campaigns. **3 hrs.**
Introduction to planning, implementing, and evaluating campaigns in public relations, advertising, marketing, and fund raising. Case studies and current campaign models will be analyzed. *Prerequisite:* COMM 340.

COMM 345. Publication Design, Layout, and Production. **3 hrs.**
Practical introduction to the use of computer pagination software for the creation of public relations publications, including newsletters, news releases, brochures, pamphlets, and catalogs. *Prerequisites:* COMM 232, 340. *Offered spring semester.*

COMM 495. Communication Studies Internship. **3 hrs.**
A professional field placement for senior communication studies majors in an approved agency or business that allows students to observe, analyze and apply communication studies concepts, thus serving as the major's capstone assessment experience. In consultation with a field supervisor and the instructor, students develop a contract that specifies on-site field and academic learning objectives and methods for the internship. Class meetings required. *Prerequisite:* Consent of the instructor.

COMM 496. Public Relations Internship. **3 hrs.**
A professional field placement for senior public relations majors in an approved agency or business that allows students to observe, analyze and apply public relations concepts, thus serving as the major's capstone assessment experience. In consultation with a field supervisor and the instructor, students develop a contract that specifies on-site field and academic learning objectives and methods for the internship. Class meetings required. *Prerequisite:* Consent of the instructor.

Computer Science

Associate Professor: Richard Clemens

Assistant Professors: Gretchen Lynn, Karen Petitto

Lecturer: Peter Galarneau

The computer science program at Wesleyan is designed to provide the student with a broad background suitable as a basis for continued studies in graduate school or employment in the computer industry or in business. Students may specialize in hardware, software, or application areas and complete their senior project in their area of interest.

Graduates who major in computer science at Wesleyan will be able to (1) discuss the significant events in the history of the computer's development; (2) set up and install hardware and peripherals; (3) evaluate, install, and use software packages; (4) demonstrate how to use current operating systems/shells/GUIs and utilities; (5) discuss ethical and legal responsibilities of computer professionals and the privacy issue; (6) demonstrate programming proficiency in a high-level language; (7) demonstrate knowledge of a low-level language that reflects the architecture of a microprocessor; (8) set up the hardware, install software, and maintain a local area computer network and access wide-area networks;

(9) analyze a problem, design a solution, and debug the solution; and (10) help non-technical users operate computers and run software.

Requirements for Computer Science Major

46-57 semester hours, including CSCI 140, 150, 210, 220, 310, 320, 330, 395, 498, 499; MATH 161, 162; three courses from CSCI 340, 350, 360, 388 (388 may be repeated); one course from MATH 240, 310, 330.

The department recommends that computer science majors take PHIL 201 (Logic) and a foreign language, both of which may fulfill general studies requirements.

Requirements for Computer Information Science Major

40 semester hours, including MATH 110; CSCI 140, 150, 210, 220, 250, 498, 499; BUSI 111, 114, 221; ECON 250; one course from CSCI 310, 320, 330, 350, 388; one business course at the 300 level or above.

Requirements for Computer Science Minor

15 semester hours, including CSCI 140, 150, 210, 220, and one course from CSCI 310, 320, 330, 350, 388.

CSCI 140. Computer Science Essentials. **3 hrs.**

A first course for computer science majors covering hardware and software aspects of currently available computer systems. Hardware topics include setting up a computer system, installing and trouble-shooting boards, memory, disk drives and peripheral devices. Software topics include commands to interact with operating system user interfaces, use of application-based software packages, electronic mail, and methods to access remote systems and databases. *Usually offered every fall semester.*

CSCI 150. Computer Science as a Discipline. **3 hrs.**

An introduction to a variety of topics within the realm of computer science. Topics include algorithms, history of computers, ethical considerations, data representations, assemblers and compilers, machine architecture, logic gates, operating systems, theory, artificial intelligence, networks, and databases. *Prerequisite:* CSCI 140. *Usually offered every spring semester.*

CSCI 188, 288, 388, 488. Special Topics. **1-3 hrs.**

Topics that are timely and worthy of exploration. Offerings may consist of but are not limited to CAD, Software Engineering, Artificial Intelligence, Advanced Networking, Simulation, Theory of Computing, Digitization of Video and Voice, Parallel Computing. *May be repeated for credit.*

CSCI 210. Preprogramming. **3 hrs.**

An introduction to object-oriented computer programming, including problem solving methods, techniques to design and modify algorithms, as well as software development methodologies. Algorithms will be implemented using a user-friendly interface to an object-oriented language. *Usually offered every fall semester.*

CSCI 220. Programming. **3 hrs.**

A continuation of CSCI 210 covering language-specific features of an object-oriented programming language. Topics include data types, declarations, input/output, assignment statements, ifs, loops, methods, strings, files, dynamic memory allocation, classes, and library routines. *Prerequisite:* CSCI 210. *Usually offered every spring semester.*

CSCI 230. Scientific Programming. **3 hrs.**

Analysis and computer implementation of numerical techniques for problem solving in engineering, including plots of functions, zeroes and root finding, area determination, searching and sorting techniques, basic statistics, and introductory linear algebra. *Prerequisites:* PHYS 152, MATH 162.

CSCI 240. Introduction to Visual Basic. **3 hrs.**
An introduction to Microsoft's Visual Basic programming language to develop Windows-based programs for a wide variety of applications. *Usually offered in alternate years.*

CSCI 250. Management of Information Systems. **3 hrs.**
An overview of skills required to manage information systems from a business administration standpoint. Topics include effective communication and documentation, executive users and information systems, decision support systems, and resource planning. *Usually offered every semester.*

CSCI 310. Advanced Programming. **3 hrs.**
An object-oriented approach to data structures and algorithms with time/space analysis. Topics include stacks, queues, collections, trees, searching, and sorting. *Prerequisite:* CSCI 220. *Usually offered every fall semester.*

CSCI 320. Assembly Language/Microprocessor Architecture. **3 hrs.**
A study of the details of a computer at the machine level. The student will learn an assembly language and use it to investigate the architecture of a particular microprocessor. Much of the work will be project-oriented. *Prerequisites:* CSCI 150 and 220; or PHYS 260. *Usually offered in alternate years.*

CSCI 330. Computer Networks. **3 hrs.**
A study of various types of computer networks - their strengths and weaknesses. The course is a blend of practical and theoretical topics such as how to set up a local area network as well as an overview of communication protocols and network programming. *Prerequisite:* CSCI 220. *Usually offered in alternate years.*

CSCI 340. Operating Systems. **3 hrs.**
An examination of the techniques used in modern operating systems, the interface between application programs and the computer hardware. Topics include processes, threads, concurrency, memory management, scheduling algorithms, input/output design, and distributed systems. *Prerequisite/Co-requisite:* CSCI 310. *Usually offered in alternate years.*

CSCI 350. Database Management Systems. **3 hrs.**
Comparison of hierarchical, network, and relational database designs; coverage of implementation and security issues; in-depth study of a particular database package. *Prerequisite:* CSCI 140 or 250. *Usually offered spring semester, even years.*

CSCI 360. Organization of Programming Languages. **3 hrs.**
An introduction to formal languages and to the analysis and comparison of computer programming languages. Topics include binding, score rules, execution environments, and control structures in imperative, declarative, functional, and object-oriented languages. *Prerequisite/Co-requisite:* CSCI 310. *Usually offered in alternate years.*

CSCI 395. Computer Science Internship. **1-12 hrs.**
An opportunity to work with end users and explain technical ideas to non-technical people in terms that can be understood—preparation for a vast number of computer jobs dealing with the public. May be fulfilled by an outside placement, by tutoring in the computer lab, or by working for the computer center. *Prerequisite:* Major or minor in computer science department or consent of instructor. *Usually offered every semester.*

CSCI 498. Senior Project I. **3 hrs.**
An in-depth project designed and implemented by the student demonstrating both research and programming skills. *In combination with CSCI 499, satisfies advanced composition requirement for general studies. Prerequisite:* Major in computer science. *Usually offered every fall semester.*

CSCI 499. Senior Project II. **1 hr.**
Presentation of the senior project to interested faculty and upper-division math, engineering, and computer science students. *In combination with CSCI 498, satisfies advanced composition requirement for general studies. Prerequisite:* CSCI 498. *Usually offered every spring semester.*

Criminal Justice

Lecturer: Paul Klenowski

The major in Criminal Justice (CJUS) is rooted in the liberal arts tradition of West Virginia Wesleyan College. Students are required to take criminal justice courses as well as courses in sociology, political science, and psychology (and perhaps other disciplines as they fit he major). Criminal justice, by its nature, is an interdisciplinary subject. Students majoring in Criminal Justice will learn to think critically and holistically about their chosen field. CJUS majors will learn to appreciate the racial, gender, social-cultural, political, and historical forces that shape our lives.

The Criminal Justice major prepares graduates for 1) careers in law enforcement, corrections, courts and related areas; 2) further study in criminal justice, criminology, sociology, social work, and public administration. Career opportunities include police officer, federal law enforcement agent (F.B.I., Secret Service, Treasury, Drug Enforcement, Customs Inspector), corrections officer, parole officer, and with further graduate or professional education, prosecutor, public defender, and forensic scientist.

Requirements for Criminal Justice Major

39 semester hours including CJUS 110, 230, 260, 310, 360, 395, 497; SOCI 101, 145, 240, 345; POLS 202 or 215; PSYCH 209 or 301 or 320.

CJUS 110. Introduction to Criminal Justice **3 hrs.**
Survey of the formal aspects of social control: criminal law, the police, the courts and corrections.

CJUS 230. Criminal Investigation. **3 hrs.**
Introduction to criminal investigation procedures including theory of investigation, conduct at the crime scene, collection and preservation of physical evidence, introduction to related forensic science, including the importance of DNA investigation in some cases, and follow-up legal investigation.

CJUS 260. Criminal Law and Procedures. **3 hrs.**
The history of criminal law, its development in the United States, elements of crime, law of arrests, and courtroom procedures.

CJUS 310. Police Work. **3 hrs.**
The nature and techniques of police work in a changing society, including police citizen partnership in crime prevention. Policing issues are considered, including recruitment, promotion, and management.

CJUS 360. Correctional Institutions. **3 hrs.**
A critical survey of the correctional field in the United States. It is concerned with historical development, program content and current problems and needs.

CJUS 395. Internship/Independent Study. **3 hrs.**
Students will complete a criminal justice related internship or, with the agreement of the program director, pursue an independent study of an aspect of the criminal justice system.

CJUS 497. Senior Seminar. **3 hrs.**
Students will research, write and present a major research paper on an approved criminal justice topic.

Dance

Associate Professor: Barbara Park-Reynolds

All dance courses will meet the general studies requirement for humanities/fine arts.

Requirements for Dance Minor

21 semester hours, including DANC 101, 225, 231; THRE 330 or 2 hours of theatre practicum approved by the dance advisor; 4 hours of DANC 121, 221, 321; 8 hours of dance technique selected from ballet, jazz/tap, and modern. Students are required to achieve proficiency level III in one dance style.

DANC 101. Introduction to Dance. **1 hr.**
A broad overview of dance as a physical activity as well as a form of artistic expression. General topics include stretching, alignment, strengthening, and coordination techniques. Specific topics include skills and concepts in social, ballet, modern, jazz, tap/rhythm dance techniques and styles. A course designed for anyone interested in dance.

DANC 105. Ballet I. **2 hrs.**
Fundamentals of ballet training, from beginning to low intermediate level, including formal barre, center and floor work. *Prerequisite:* DANC 101 or permission of instructor.

DANC 107. Jazz/Tap I. **2 hrs.**
Jazz dance technique, from beginning to low intermediate level. Students will learn jazz and tap dance technique based on historic, concert, music theatre, and video dance styles; as well as the cultural connections and considerations of this American dance form. *Prerequisite:* DANC 101 or permission of instructor.

DANC 109. Modern I. **2 hrs.**
Fundamentals of modern dance training. Students will be exposed to modern dance techniques, philosophies, and choreographers. *Prerequisite:* DANC 101 or permission of instructor.

DANC 121,221,321. Dance Company. **1 hr.**
A by-audition-only dance company that will learn original choreography and ultimately travel throughout West Virginia to expose audiences to professional-quality dance. The group's main goals will be to educate and to represent the College The company's maximum size will be 14. *Prerequisite:* DANC 101 or permission of instructor.

DANC 205. Ballet II. **2 hrs.**
Continuation of DANC 105. Low to high intermediate level. *Prerequisite:* DANC 105 or permission of instructor.

DANC 207. Jazz/Tap II. **2 hrs.**
Continuation of DANC 107. Low to high intermediate level. *Prerequisite:* DANC 107 or permission of instructor.

DANC 209. Modern II. **2 hrs.**
Continuation of DANC 109. Low to high intermediate level. *Prerequisite:* DANC 109 or permission of instructor.

DANC 225. Choreography/Improvisation. **3 hrs.**
Exploration of the creative process of the dancer who is interested in creating dances, the musical theatre student who wants to be a dance captain, and the directing student interested in alternative means by which to define theatrical space, time and energy. *Prerequisite:* Minimum low intermediate dance level or permission of instructor.

DANC 231. Dance History. 3 hrs.

A survey of the development of dance as an art form, beginning with ritualistic cultures of the ancient world and extending up into the present. A lecture course.

DANC 305. Ballet III. 2 hrs.

Continuation of DANC 205. High intermediate to advanced level. *Prerequisite:* DANC 205 or permission of instructor.

DANC 307. Jazz/Tap III. 2 hrs.

Continuation of DANC 207. High intermediate to advanced level. *Prerequisite:* DANC 207 or permission of instructor.

DANC 309. Modern III. 2 hrs.

Continuation of DANC 209. High intermediate to advanced level. *Prerequisite:* DANC 209 or permission of instructor.

Developmental

Developmental offerings are designed to assist students to improve their academic and planning skills so they may become more effective college students and lifelong learners. *Developmental course credits do not count toward graduation, nor are grades in these courses calculated in the grade point average. Developmental courses do count as load hours for determining student status in the semester in which they are taken.*

DEVL 008. LBP Reading. 1-2 hrs.

LBP Reading introduces a clinical approach involving one-on-one sessions with trained instructors to improve students' reading and speaking skills and language comprehension. One focus of the program includes using articulatory feedback and symbol imagery to gain automaticity with word recognition, accuracy with spelling, and increased reading speed. Another area of concentration utilizes concept imagery to process meaning, organize thought, and retain information to adequately comprehend and assimilate text and lecture information, facilitate vocabulary development, and improve overall reading rate. *Prerequisite:* Permission of instructor and additional fee required.

DEVL 008. Composition Practicum. 0 hrs.

A course for students who need supplemental assistance for Composition I or II. Instruction will assist students in effectively applying the writing process to expository and research assignments. Students will receive assistance in analyzing and planning assignments, generating theses and supports, and drafting and revising. This course does not preclude student-composition instructor communication; rather it necessitates student dialogue and questioning. Students may be required to meet individually with the practicum leader.

DEVL 015. Academic Seminar. 1 hr.

A program designed to foster academic and social success through the support of a mentoring relationship. *Co-requisite:* COLL 104.

DEVL 062. Developmental Algebra. 3 hrs.

Signed numbers; linear equations and inequalities in one and two variables; the four binary operations on polynomials; factoring, fractions and fractional equations, exponents and radicals, literal equations and formula solving; the construction of graphs; an introduction to quadratic equations. Emphasis throughout on applications and problem-solving techniques. *Prerequisite:* Official placement. *Usually offered every semester.*

Economics

Professor Emeritus: Kumaran Nair

Associate Professor: Scott Bellamy

Lecturer: Meigan Todd

The economics major provides a solid understanding of the principles of economics and their applications. The major is designed to meet the needs of students seeking to become economists as well as those desiring to apply economic theory to a wide range of endeavors such as business, finance, government, and law. The curriculum emphasizes the development of critical thinking skills and mathematical tools of analysis.

Economics majors may elect to augment their undergraduate study to earn both a B.S. and an M.B.A. in five years. See Five-Year Undergraduate/Master of Business Administration Program, page 47.

Requirements for Major

42 semester hours, including ECON 110, 120, 201, 211, 250, 331, 341, and two 3-hour economics electives, one at the 200 level or above and one at the 300 level or above; BUSI 111, 114, 131, 141, 221.

Requirements for Minor

15 semester hours, including ECON 110, 120, and 9 hours of electives at the 200 level or above (except for ECON 250).

ECON 110. Principles of Macroeconomics. **3 hrs.**

A general introduction to macroeconomics. Particular attention is given to use of basic tools of economic analysis and their application to the major sectors of the economy and to theoretical models describing the interrelationships of consumption, investment, government spending and taxation, and imports and exports. *Prerequisite:* Any 100-level math course except MTH 150 or placement in MATH 161.

ECON 120. Principles of Microeconomics. **3 hrs.**

A general introduction to microeconomics. Particular attention is given to the use of basic tools of economic analysis and their application to groups of individuals within an economy and to theoretical models describing the interrelationships of the utility-maximizing behavior of consumers and the profit-maximizing behavior of producers. *Prerequisite:* Any 100-level math course except MATH 150 or placement in MATH 161.

ECON 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum. Topics may include labor economics, health economics, and environmental economics.

ECON 201. Macroeconomic Theory. **3 hrs.**

A study of modern income and employment theory. Analysis of the determinants of such aggregate economic magnitudes as national income, employment, price level, etc. *Prerequisites:* ECO 110, 120.

ECON 211. Microeconomic Theory. **3 hrs.**

A theoretical analysis of the principles of pricing in commodity markets under different market structures such as perfect competition, monopoly, monopolistic competition, and oligopoly. Examination of utility, demand, production, cost, and supply functions. *Prerequisites:* ECON 110, 120.

ECON 221. Money and Banking. **3 hrs.**
A study of the money and credit aspects of a money economy, especially of the U.S. economy; of monetary theories and the problems of monetary policy. *Prerequisites:* ECON 110, 120.

ECON 250. Statistics for Business and Economics. **3 hrs.**
Analysis of economic and business data including topics such as descriptive statistics, probabilities, distributions, correlation, and regression. *Prerequisite:* Any 100-level mathematics course except MATH 150.

ECON 331. International Econometrics. **3 hrs.**
An analysis of the various models of international trade theory and of the forces and institutions affecting the economic relations of modern nations. Attention is given to the problems of international movements of goods and productive factors, to the foreign economic policies of the United States, and to world monetary problems. *Satisfies advanced composition requirement for general studies. Prerequisites:* ECON 110, 120.

ECON 332. Free Enterprise Studies and Projects. **3 hrs.**
A service-learning course consisting of classroom and field experience designed to help students develop leadership, teamwork and communication skills through learning, practicing, and teaching the principles of free enterprise in the global economy. *Prerequisite:* Permission of instructor.

ECON 333. Environmental Economics. **3 hrs.**
The course concentrates on the concepts of welfare economics and efficiency and their application to environmental and natural resource problems. Particular attention is devoted to project evaluation, benefit-cost analysis, regulation, and the role of economic analysis in the design and implementation of environmental policy. *Prerequisites:* ECON 110 and 120, or permission of instructor.

ECON 334. Health Economics. **3 hrs.**
The course applies general theoretical principles of economics to the health care sector. Particular attention is given to the demand and supply of health and medical care as they involve physicians, nurses, hospitals, health insurance markets, and the role of the government. *Prerequisites:* ECON 110, 120.

ECON 341. Principles of Econometrics. **3 hrs.**
An application of statistical methods and regression analysis to economic data. Students will learn to analyze economic data in time series and panel data settings and to account for and correct statistical abnormalities particular to economic data. *Prerequisite:* ECON 250.

ECON 361. Public Sector Economics. **3 hrs.**
Outline of institutional, theoretical, and econometric material that relates to government spending and taxing. Particular attention is given to the microeconomic functions of government, analysis of expenditure programs, tax analysis, and policy analysis. *Prerequisites:* ECO 110, 120.

Education

Professor: Thomas Williams

Associate Professors: Shirley Fortney, Carol Means, Lynn Rupp, Sharon Smith

Assistant Professors: Charles Miller

Educator in Residence: Deborah Bush

Lecturers: Cynthia Raffety, Jerilynn Thorn

Wesleyan's teacher education program is approved by the West Virginia Department of Education and the National Council for Accreditation of Teacher Education (2010

Massachusetts Avenue, NW, Suite 500, Washington, DC 20036; telephone 1-202-466-7496). It is designed to prepare elementary and secondary classroom teachers who are active learners and decision makers. Their competence as entry-level teachers derives from thorough preparation in their teaching field(s) and from mastery of professional skills appropriate to the level at which they choose to teach. These are complemented by an appreciation for the breadth and richness of culture and a respect for the dignity, diversity, and worth of individuals, both of which are fundamental to a Wesleyan education.

The professional component of the teacher education program includes both course work and field experiences organized around five areas of general concern: instruction and learning; professional, personal, and ethical roles; cultural, social, and school/classroom contexts; individual differences/diversity; and evaluation and decision-making. Public schools in Upshur, Lewis, Harrison, and Randolph counties provide the settings for directed observation and teaching. (Students are responsible for their own transportation during all field exercises and field experiences.)

Graduates of Wesleyan's teacher education program qualify for professional licensure in West Virginia and in most other states. Some states may require limited additional work before a candidate educated out-of-state may be eligible for permanent professional licensure. Because the teacher education program demands very careful coordination of academic, professional, and field instruction, students are encouraged to seek early advising from a member of the education faculty.

Requirements for Major

120 semester hours, including completion of the College's general studies program, carefully coordinated with specific requirements within the appropriate professional education track; formal admission to the teacher education program; maintenance of a cumulative grade point average of 2.5 or above after admission to the teacher education program on all college work and a cumulative grade point average of 2.5 or above in all course work in each teaching specialization; completion of each education (EDUC/SPEC) course with a grade of 2.0 or above; and completion of one of the prescribed professional education sequences described below appropriate to elementary teaching (K-6), secondary teaching (9-12 or 5-12, depending upon the field or fields), or combined education (Grade level non-specified, available in art, music, physical education, and physical education - grade level non-specified/health - K-12).

Minors Available to Education Majors

Students majoring in elementary education may declare optional endorsements, listed below under Elementary Education, as minors for purposes of notation on the permanent record. Those completing a program in secondary education may declare their teaching fields as minors. Students in both programs are free to select an optional minor in any discipline offered at the College.

Requirements for (Non-Certification) Minor

15 semester hours in education approved by the department chair including EDUC 101, 201, 240, and SPEC 230. The minor may include methods courses offered through other departments. *This minor is available only to students with an interest in the field of education who do not intend to seek licensure.*

Admission to the Teacher Education Program

Students may apply for admission to the teacher education program after completion of 45 credit hours of college work; however, they must be admitted prior to enrollment in 300-level EDUC/SPEC courses. Minimal requirements for admission include

1 45 semester hours of college work in courses at the 100 level or above.

2 A cumulative grade point average of 2.5 or above in courses at the 100 level or above and a cumulative grade point average of 2.5 or above in each teaching field.

3 Completion of each education (EDUC/SPEC) course with a grade of 2.0 or above, and completion of EDUC 101, 201, 205, 206, ENGL 102 and COMM 211 with a grade of 2.0 or above.

4 Successful completion of all sections of Praxis I.

5 Submission of two letters of recommendation from faculty members outside the Department of Education.

6 Submission of an autobiographical statement.

7 Evidence of a current, negative T.B. test.

8 Completion of the dispositions evaluation.

Admission is not automatic for students who meet these minimal requirements. Rather, the Teacher Education Committee will use these data to make an informed professional judgment about the academic and personal disposition of the candidate for the teaching profession.

Once a student is admitted to the teacher education program, he or she must maintain a cumulative grade point average of 2.5 or above on all college work and a cumulative grade point average of 2.5 or above in each teaching field. The student is required to earn a 2.0 or above in each education course before proceeding in the program, and he or she must be free of substantiated challenges to his or her disposition(s) regarding the teaching profession.

A comprehensive review of each student's performance and progress in the teacher education program is undertaken again before permission is granted to enroll in the professional semester, which includes student teaching and a professional seminar.

Minimal requirements for admission to the professional semester include

1 An **approved** Application for Admission to the teacher Education program on file.

2 Satisfactory completion of 85 credit hours. Students must have completed SPEC 230: Exceptionalities and all required professional education and specialty area courses. This must be demonstrated through the completion of the advising form submitted with your application to the Professional Semester.

3 Overall GPA of 2.5 or higher.

4 GPA of 2.50 in specialty area(s).

5 Minimum grade of 2.0 in all Education (EDUC/SPEC) courses.

6 Completion of written question and oral interview panel.

7 Presentation of professional portfolio to education students and faculty.

8 Current, negative T.B. test results on file.

9 Completion of the dispositions evaluation

10 A 15-hour field placement in a diverse setting.

Students who plan to enroll in the professional semester must make application to the Teacher Education Committee. For spring placements, all application materials must be in the Department of Education by the first Monday in October. For fall placements, all application materials must be in the Department of Education by the first Monday in March.

Students may challenge action taken during any phase of the admission or review process to the chairperson of the Department of Education. The department chair's decision may be appealed to the Dean of the College, whose action will be final.

Requirements for Licensure (Certification)

Each student must make formal application for a professional license (teacher's certificate) on forms supplied by the state department of education in the state where licensure is desired. It is recommended that all successful teacher education students apply for West Virginia licensure immediately upon graduation, since licensure in other states *may* require a West Virginia license. Allow eight to ten weeks for processing of the application, which should be submitted through the Registrar's Office.

Licensure in West Virginia requires successful completion of the Praxis II tests (NTE). Students are encouraged to work closely with licensure agencies within the states in which they plan to teach. Candidates for WV licensure must meet U.S. citizenship requirements set by the WVDE. Fingerprinting and FBI background checks are also required.

Students applying for certification must have completed course work within seven years of application.

Prescribed Professional Education Sequences

Elementary Education (K-6)

EDUC 101, 131, 201, 205, 210, 211, 240, 260, 305, 310, 315, 360; EDUC 361 or SPEC 330; EDUC 467; EDUC 470 (or 472 as applicable); EDUC 476 (or SPEC 473 as applicable); SPEC 230; ART 215*; BIOL 130*, 140*; GEOG 121*; HIST 101*, 122*; MUSC 217*; PHED 201*, 352; PHSC 110; PHYS 103; one course from COMM 121*, ENGL 245*, HIST 244*, 267*, 268*, SOCI 243*, 305*, special topics course approved by the department; a 100-level or higher math course*, and a one hour dance activity credit*. **May also apply toward satisfying general studies requirements.*

Students may wish to add one of the following optional endorsements as a means of enhancing employment opportunities:

Mathematics (5-9): MATH 105, 110*, 120*, 130*, 140, 150, 161, 162, 240, 250; EDUC 370 (35 hours total*). **Depending upon official placement.*

Physical Education (5-9): PHED 101 (swimming), 101 (tumbling-gymnastics), 150, 201, 219, 220, 251, 252, 320, 345, 352 (30-31 hours total plus swimming proficiency).

Social Studies (5-9): ECON 120; GEOG 121; HIST 101, 102, 121, 122, 161, 239; POLS 120; PSYC 101; SOCI 110; EDUC 370 (36 hours total).

Specific Learning Disabilities (K-12): SPEC 230, 330, 340, 345, 350, 473; EDUC 305 (23 hours total).

Secondary Education (9-12 or 5-12, depending on the teaching field or fields)

Endorsement in specific teaching fields must conform to state licensure standards, which are subject to change. Students are urged to work closely with an advisor on the education faculty in order to meet all current requirements.

1 Professional education core: EDUC 101, 201, 206, 240, 250, 306; EDUC 361 or SPEC 330; EDUC 370 (where applicable); SPEC 230.

2 Professional semester courses: One of the following combinations: EDUC 467, 471, 474; or EDUC 467, 472, 474; or EDUC 467, 475.

3 A selection of courses to satisfy general studies requirements to include PHED 130 or 201 and one course from COMM 121, ENGL 245, HIST 244 or 267 or 268, SOCI 243, 305, special topics course approved by the department.

4 Selection of one of the secondary teaching fields from the following list.

Art (5-12): ART 101, 111, 112, 121, 122; 201 or 220; 211, 241, 242, 246, 260, 315; 3-hour art elective (39 hours total).

Biology (9-12): BIOL 160; 220 or 360; 250, 252, 254, 310; 316; 342, 344, 354; CHEM 161, 163L, 221, 223L; PHSC 127; PHYS 151, 152; MATH 130; EDUC 370 (61 hours total).

Chemistry (9-12): CHEM 161, 163L, 221, 222, 223L, 224L, 231, 233L, 240, 242L; 331 and 333L, or 332 and 334L; 350; 399; BIOL 160; PHSC 127; PHYS 151, 152; MATH 161, 162; EDUC 370 (54 hours total).

English (5-12): ENGL 101*, 102, 225, 235, 240, 248; 251 or 252; 320, 337, 350; 351 or 353; 420; one additional writing course; one additional ethnic literature course or ENGL 275; COMM 211; EDUC 250, 370 (46-49 hours total*). **Depending upon official placement.*

General Science (5-12): BIOL 130, 160, 250, 252, 342, 344; CHEM 161, 163L, 221, 223L, 250, 251L; PHSC 127; PHYS 131 or 132; 151, 152; MATH 161; EDUC 370 (53 hours total).

Mathematics (5-12): MATH 105, 110*, 120*, 130*, 140, 150, 161, 162, 223, 240, 250, 310, 320, 330, 341; EDUC 370 (50 hours total*). **Depending upon official placement.*

Physical Education (5-12): PHED 101 (swimming), 101 (tumbling-gymnastics), 150, 201, 219, 220, 230, 251, 252, 320, 325, 345, 349, 353 (38-39 hours total plus swimming proficiency).

Physics (9-12): PHYS 151, 152, 210, 211L, 220, 221L, 250, 310, 330, 331L, 360; 497; 498; BIOL 160; CHEM 161, 163L; PHSC 127; MATH 161, 162, 223, 230; EDUC 370 (59 hours total).

Social Studies (5-12): ECON 110, 120; GEOG 121; HIST 101, 102, 121, 122, 161, 239; POLS 215, 325; PSYC 101, 301; SOCI 101, 110; 6 hours of social science electives; EDUC 370 (54 hours total).

Students may wish to add one of the following optional endorsements to their primary teaching field as a means of enhancing employment opportunities:

Mathematics (5-9): MATH 105, 110*, 120*, 130*, 140, 150, 161, 162, 240, 250; EDU 370 (35 hours total*). **Depending upon official placement.*

Physical Education (5-9): PHED 101 (swimming), 101 (tumbling-gymnastics), 150, 201, 219, 220, 251, 252, 320, 345, 352, (30-31 hours total plus swimming proficiency).

Social Studies (5-9): ECON 120; GEOG 121; HIST 101, 102, 121, 122, 161, 239; POLS 120; PSYC 101; SOCI 110; EDUC 370 (36 hours total).

Combined Elementary/Secondary Education (K-12)

1 Professional education core: EDUC 101, 201, 206, 240, 250, 306; EDUC 361 or SPEC 330; EDUC 370 (where applicable); SPEC 230.

2 Professional semester courses: EDUC 467, 471 (or 472 as applicable), 474 (or 475 as applicable).

3 A selection of courses to satisfy general studies requirements to include PHED 130 or 201 and one course from COMM 121, ENGL 245; HIST 244 or 267 or 268; SOCI 243, 305, special topics course approved by the department.

4 Selection of one of the combined elementary/secondary teaching fields from the following list.

Art (Grade level non-specified): ART 101, 111, 112, 121, 122; 201 or 220; 211, 215, 241, 242, 246, 260, 315, 330; 3-hour art elective (45 hours total).

Music (Grade level non-specified): MUSC 101, 102, 110 (voice majors only), 201, 202; 221 and 222 (for non-voice majors); 145, 209, 231, 232, 241, 242, 243, 244, 270, 275, 276, 301, 310, 321, 322; ensemble (4 credits minimum); applied music study (attainment of level 8, up to 14 hours); non-keyboard majors must attain piano proficiency level 2 (up to 3 hours) (54 hours plus proficiency levels).

Physical Education (Grade level non-specified): PHED 101 (swimming), 101 (tumbling-gymnastics), 150, 201, 219, 220, 230, 251, 252, 320, 325, 345, 349, 352, 353 (41-42 hours total plus swimming proficiency).

Physical Education (Grade level non-specified)/Health (K-12): PHED 101 (swimming), 101 (tumbling-gymnastics), 130, 150, 201, 219, 220, 230, 240, 251, 252, 315, 320, 325, 345, 349, 352, 353; BIOL 160 or 220; PSYC 101; EDUC 270 (57-58 hours total plus swimming proficiency).

Education Courses

EDUC 101. Introduction to Education. **3 hrs.**
Introductory course in the professional sequence for all who plan to teach. Information necessary to make an informed career decision is presented. Additional emphasis is placed on the organization of the school and the legal, philosophical, sociological, and historical aspects of American education.

EDUC 131. Literature for Children. **3 hrs.**
A survey of children's literature. Emphasis is on identification, selection, evaluation and use of books, print materials, and other related materials for children. The course incorporates the use of multi-cultural and West Virginia authors. *Does not count toward general studies.*

EDUC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

EDUC 201. Learning and Human Development. **3 hrs.**
A combination of developmental and educational psychology, including the study of the physical, cognitive, and psychosocial development of learners from pre-natal through adolescence. The course concentrates on theories of learning and the application of those theories to effectively promote student learning. *Prerequisite:* a C (2.0) or better in EDUC 101.

EDUC 205. Clinical Experience I: Coming to Know the Elementary Classroom. 1 hr.
A semester-long clinical experience in a public school designed to provide education majors opportunities to observe school organization, management, teaching, and learning. This is an introductory field experience that will also provide a basis upon which students can make informed career decisions. *Pre- or co-requisite:* EDUC 201.

EDUC 206. Clinical Experience I: Coming to Know the Secondary Classroom. **1 hr.**
A semester-long clinical experience in a public school designed to provide education majors opportunities to observe school organization, management, teaching, and learning. This is an introductory field experience that will also provide a basis upon which students can make informed career decisions. *Pre- or co-requisite:* EDUC 201.

EDUC 210. Methods of Teaching Reading for Elementary Teachers. **3 hrs.**
An introductory course. Special attention is given to reading readiness, planning reading lessons, identifying and reinforcing skills in the areas of vocabulary, phonics, and comprehension, and exploring a variety of genres (including drama) and reading materials. *Pre- or co-requisite:* EDUC 201.

EDUC 211. Diagnostic Reading Tools and Strategies. 3 hrs.
Emphasis on the identification of types and appropriate uses of diagnostic reading tools, characteristics of common reading deficits among students at different grade levels, and strategies for remediation of reading problems at various grade levels. *Prerequisite:* EDUC 210.

EDUC 240. Instructional Processes and Assessment. 3 hrs.
An introductory course in the processes of instruction and assessment, emphasizing analysis of effective teaching. Students will analyze and evaluate instructional models, and develop the skills needed for planning, organizing and assessing classroom instruction. *Prerequisite:* EDU 201.

EDUC 250. Teaching Reading in Secondary Content Areas. 2 hrs.
A course for secondary teachers, incorporating reading skills directly related to particular content areas in lesson planning. Students will learn the role of literacy in the middle and secondary school, active learning and comprehension strategies, assessment techniques, appropriate literature choices, and how to effectively incorporate a variety of materials in various content fields. Recommended that this course be taken before or concurrently with EDUC 370. *Pre or co-requisite:* EDUC 201. *Usually offered spring semester.*

EDUC 260. Methods of Teaching Mathematics for Elementary Teachers. 2 hrs.
The curriculum, content, methods, and materials for effective teaching of mathematics. Emphasis is placed on incorporating problem solving and the use of manipulatives in developmentally appropriate instructional strategies based on national math standards. *Prerequisites:* Elementary education major, EDUC 201, grade of C or better on a mathematics course at the 100 level or above. *Usually offered spring semester.*

EDUC 270. Methods for Teaching Health P-12 2 hrs.
The curriculum, content, methods, and materials and assessment for teaching health. Attention is given to lesson and unit planning with the selection of the age appropriate materials. *Prerequisite:* EDUC 201

EDUC 305. Clinical Experience II: Elementary Education. 2 hrs.
A clinical experience designed to provide the education major experiences as a paraprofessional in a school setting. Includes observation of an accomplished teacher and opportunities to participate in micro-teaching experiences. This course provides a bridge between prior experiences and student teaching. Recommended to take concurrently with EDUC 370 (Special Methods). *Prerequisite:* Admission to the teacher education program, concurrent enrollment in EDUC 310. *Pre- or co-requisite:* SPEC 230.

EDUC 306. Clinical Experience II: Secondary Education. 2 hrs.
A clinical experience in a public school designed to provide the education major experiences as a paraprofessional. Includes observation of an accomplished teacher and a limited amount of teaching. This course provides a bridge between prior experiences and student teaching. *Prerequisite:* Admission to the teacher education program. *Pre- or co-requisite:* SPEC 230.

EDUC 310. Methods of Teaching Language Arts for Elementary Teachers. 2 hr.
The curriculum, content, methods, and materials for effective instruction of language arts in the elementary school. Emphasis is placed on the development of a wide variety of developmentally appropriate objectives, organizational structures, instructional strategies, and assessment techniques in teaching the process of writing, grammar, spelling, reading, oral communication, and listening. *Prerequisite:* Admission to the teacher education program, concurrent enrollment in EDUC 305.

EDUC 315. Methods of Teaching Science for Elementary Teachers. 1 hr.
A course designed to address the curriculum, methods, materials, and assessment of effective science instruction in the elementary school. Emphasis is on the analysis of a wide variety of developmentally appropriate objectives, instructional techniques, active learning strategies, and

evaluation methods culminating in the creating of a teacher work sample. *Prerequisite:* Admission to the teacher education program. *Usually offered fall semester.*

EDUC 360. Methods of Teaching Social Studies for Elementary Teachers. 1 hr.
A course designed to address the curriculum, methods, materials and assessment of effective social studies instruction in the elementary school. Epmphasis is on the analysis of a wide variety of developmentally appropriate objectives, instructional techniques, active learning strategies, and evaluation methods culminating in the creation of a teacher work sample. *Prerequisites:* Admission to the teacher education program. *Usually offered spring semester.*

EDUC 361. Classroom Management. 2 hrs.
An introduction to the methods and practices of effective classroom management for the beginning teacher. Emphasis is placed on the organization and management of instruction, as well as collaboration with parents and colleagues. *Prerequisite:* Admission to the teacher education program. *Usually offered spring semester.*

EDUC 370. Special Methods in Secondary Content Areas. 3 hrs.
Methods for teaching in specialized teaching fields. Students register for the applicable section (e.g., English, Science, Math, and Social Studies). Attention is given to lesson and unit planning with selection of appropriate age level materials. *Prerequisite:* Admission to the teacher education program. *Special Methods of Math and Science usually offered fall, even years; Special Methods of English and Social Studies usually offered fall, odd years. Recommended to be taken concurrently with* EDUC 306.

EDUC 467. Professional Seminar for Educators. 3 hrs.
A course in which students reflect on their student teaching experience and examine contemporary issues and professional problems. Attention is given to current research relevant to effective teaching. Educational Theory is tied to clinical practice. *Satisfies advanced composition requirement for general studies. To be taken concurrently with student teaching. Prerequisite:* Admission to the teacher education program.

EDUC 470. Student Teaching in Early Childhood Education (K-4). 6 hrs.

EDUC 471. Student Teaching in Middle Childhood Education (5-8). 6 hrs.

EDUC 472. Student Teaching in Early/Middle Childhood Education.* 6 hrs.

EDUC 474. Student Teaching in Adolescent Education (9-12). 6 hrs.

EDUC 475. Student Teaching in Adolescent Education (9-12). 12 hrs.

EDUC 476. Student Teaching in Middle Childhood Education (5-6). 6 hrs.
A teaching experience in classrooms appropriate to the certification sought, under the supervision of a selected professional teacher. Total involvement in the school program is obtained by all-day assignment to teaching responsibilities. Observation, reports, preparation of lesson plans, professional dispositions, group and private conferences and analysis of child growth and development are stressed. *For spring placement, all application materials must be in the Department of Education by the first Monday in October. For fall placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisite:* Admission to the professional semester. *The teacher education fee will be required.*
**Only for students seeking grade level non-specific endorsement in art, music, physical education, physical education/health or specific learning disabilities.*

Special Education Courses

SPEC 230. Exceptionalities and Human Diversity. 3 hrs.
An introduction to special populations, including underrepresented diverse students, and students with physical, mental, and educational characteristics of the behavior disordered, gifted and talented, hearing impaired, and visually impaired. Special emphasis will be given to the

inclusion of students ith disabilities and diverse backgrounds (low social and economic status, students at risk, ethnicity and gender) in the regular education setting. Students seeking the specific Learning Disabilities endorsement must enroll in this class spring of their sophomore year. *Prerequisite:* a C (2.0) or better in EDUC 201.

SPEC 330. Behavior Management. **3 hrs.**
A survey of classroom management and behavior modification procedures used in modifying specific behavioral and/or academic characteristics of students in the classroom. Students have the opportunity to analyze case studies and create an in-depth behavior intervention plan. This course may be taken as an alternative to EDUC 361. *Prerequisite:* SPEC 230, admission to the teacher education program. *Offered fall semester.*

SPEC 340. Introduction to Specific Learning Disabilities. **3 hrs.**
Survey course designed to acquaint the student with the historical development, etiology, characteristics, and salient issues in the field of learning disabilities. *Prerequisite:* SPEC 230, admission to the teacher education program. *Offered fall semester.*

SPEC 345. Teaching Strategies for Specific Learning Disabilities. **3 hrs.**
Techniques used in teaching students with learning disabilities. Includes technology as it relates to methods, how to use specific instructional approaches, and how to modify existing curricular methods to meet individualized needs. *Prerequisite:* SPEC 230, admission to the teacher education program. *Offered spring semester.*

SPEC 350. Diagnosis, Prescription and Assessment Techniques. **3 hrs.**
An in-depth investigation of and involvement in the diagnosis, prescription and assessment techniques used in teaching exceptional children. Students will administer and interpret formal and informal tests, analyze a case study, and develop an IEP based on the assessment information. *Prerequisites:* SPEC 330, 340. *Offered spring semester.*

SPEC 473. Student Teaching in Specific Learning Disabilities. **5 hrs.**
A full-time student teaching experience in a public school with a qualified teacher certified in learning disabilities. The opportunity to blend theory into practice through application of learned concepts and instructional approaches. *For spring placement, all application materials must be in the Department of Education by the first Monday in October. For fall placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisite:* Admission to the professional semester. *The teacher education fee will be required.*

Engineering Physics

See Physics and Engineering for description of major program.

English

Professor Emerita: Irene McKinney

Professors: Arminta Baldwin, Boyd Creasman, Mark DeFoe, William Mallory

Associate Professors: Devon McNamara, Robert O'Brien, John Saunders

Assistant Professors: Richard Schmitt, Eric Waggoner

Lecturer: Nancy Porter

Literature and writing should be an integral part of every student's education. Thus, the English department seeks to provide courses suitable for all students. Central to its curriculum is the creation of an atmosphere of open inquiry where students and faculty can work together toward greater understanding and appreciation of literature and writing.

The program's aims embrace the best in classic and contemporary literature. The courses are directed toward students in liberal arts, teaching, business, government, and

the sciences, and those who intend graduate study in law, medicine, and the ministry. The faculty also encourages students to choose English as a valuable minor area of study.

To accommodate student needs and goals, the English faculty offers an English major with three concentrations or "tracks": a literature concentration for those who want a "general" degree in literary studies or seek to pursue graduate study; a writing concentration for students who wish to enter journalism, freelance writing, or a field where writing skills are in high demand; and a teaching concentration, for those seeking certification as teachers.

Requirements for Major

A minimum of 35 semester hours above composition, including core and individual concentration requirements and electives. English majors may count up to 45 hours in English above ENGL 101 and 102 toward the 120 hours required for graduation.

Core Requirements (23 hours): ENGL 225; 240 or 241; 251 or 252; 235 or 337; 320, 350, 420; and one course from ENGL 230, 231, 232, 245, 275, or 276.

Literature Track (12 hours): ENGL 410; and 9 hours of literature electives at the 200 level or above.

Writing Track (18 hours): ENGL 213, 311, 313; and 6 hours from writing electives (ENGL 215, 315, 317; a writing internship); and a 3-hour elective in literature at the 200 level or above.

Teaching Concentration: See ENGLISH under Education.

Requirements for English Minor

15 semester hours above composition.

Requirements for Writing Minor

15 semester hours above composition, including ENGL 213 and 12 hours of writing electives (ENGL 215, 311, 313, 315, 317). One literature course may be substituted for a writing elective.

ENGL 101. Composition I. **3 hrs.**
A general course in expository, narrative, and descriptive writing, emphasizing basic writing skills: grammar, punctuation, usage, sentence structure, paragraphing, organization, and thesis support. Short writing assignments and essays. *Students are required to earn a C (2.0) or better in this course before taking Composition II. This course may be waived on the basis of official placement.*

ENGL 102. Composition II. **3 hrs.**
An introduction to persuasive writing and the research paper. This course emphasizes critical thinking and identification with audience, as well as research methods and documentation sources. Essays and a research paper are required. *Students are required to earn a C (2.0) or better in this course in order to graduate. Prerequisite:* ENGL 101 or official placement.

ENGL 163. Introduction to Literature. **3 hrs.**
An introductory course devoted to an understanding of poetry, fiction, and drama, with attention to methods of presentation, elements of literature, and content.

ENGL 165. Short Fiction. **3 hrs.**
A wide-ranging genre study of short prose works, from the short story to the novella, with attention to both American and international writers.

ENGL 170. Contemporary Literature (Honors). **3 hrs.**
A study of novels, film, poetry, memoirs, etc., written by living writers. American and international authors are equally represented among the works studied. *Prerequisite:* Honors student or 3.5 GPA.

ENGL 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

ENGL 207. Strategies for Teaching and Tutoring Writing. **2 hrs.**
An introduction to the theories of writing pedagogy, writing center theory, tutoring dynamics, and the practical concerns of teaching writing, such as teaching the mechanics, directed self-editing, and prioritizing revision. The course is designed specifically for Writing Center tutors and secondary education majors wishing to supplement their preparation in the teaching of writing. *Prerequisites:* Grades of B (3.0) or above in ENGL 101 and 102 or permission of instructor.

ENGL 213. Introduction to Creative Writing. **3 hrs.**
A workshop course in which students explore several modes of writing—poetry, prose, or drama. Students examine works by master writers, complete assignments, and submit their own work for class review. *Prerequisite:* ENGL 102.

ENGL 215. Writing for the Print Media. **3 hrs.**
A study of sound journalistic practice in the print media. A hands-on course designed to improve the student's ability to interview, do research, and write editorials, news stories, and feature articles for newspapers and magazines. *Prerequisite:* ENGL 102.

ENGL 225. An Introduction to Literary Studies. **3 hrs.**
A course offering English majors a survey of critical approaches as well as experience in using important concepts and terms of literary disclosure. Topics include genres, scansion, research and MLA formatting, and an overview of literary periods. This course prepares English majors and minors for upper-division work in the field and should be taken in the sophomore year or as soon as the major is declared. *Prerequisite:* ENGL 102.

ENGL 230. 231, 232. Non-Western Literature. **3 hrs.**
An exploration of the traditional and emerging literatures of Africa (ENGL 230), or Asia (ENGL 231), or other countries, regions, or continents (ENGL 232). A wide range of genres from poetry to fiction to film and drama will be investigated. *Prerequisite:* ENGL 102.

ENGL 235. Early Classics of Western Literature. **3 hrs.**
An exploration of early masterpieces of Western literature, from Homer, Greek drama, and Virgil to Dante. *Prerequisite:* ENGL 102.

ENGL 240. American Literature, The Early Tradition. **3 hrs.**
A survey of major works of American writers from Bradford to 1900 in their historical, cultural, and literary contexts. *Prerequisite:* ENGL 102.

ENGL 241. American Literature, Realism to the Present. **3 hrs.**
A survey addressing the historical, social, and political importance of American literature during the twentieth century as well as its literary merits. Beginning with Twain and moving through the great age of American novels in the 20s and 30s to post World War II fiction and poetry. Major authors covered include Crane, Wharton, Hemingway, Fitzgerald, Faulkner, West, Cather, Ellison, O'Connor, Plath, Lowell, Oates, Updike, and Roth. Major literary and intellectual movements such as Realism, Modernism, and Post-modernism will be considered. *Prerequisite:* ENGL 102.

ENGL 245. American Ethnic Literature. **3 hrs.**
A survey of the rich ethnic literatures of the United States, including the works of Hispanic, African-American, Native American, Asian-American, and other ethnic writers and filmmakers. Novels, poetry, short fiction, drama, and film may be included. *Prerequisite:* ENGL 102.

ENGL 248. Appalachian Literature. **3 hrs.**
An investigation into the poetry, short fiction, novels, and other genres of the writers of the Appalachian region. While many West Virginia writers will be studied, works from the entire region will be included. *Prerequisite:* ENGL 102.

ENGL 251. England, The Heritage I. **3 hrs.**
A survey of English literature beginning with Beowulf and ending with the eighteenth century, focusing on the mastery of literary terms and the recognition of genres ranging from lyric poetry to drama to fiction to satire. Includes major figures such as Chaucer, Spenser, Shakespeare, Milton, Swift, Pope, and Johnson. *Prerequisite:* ENGL 102.

ENGL 252. England, The Heritage II. **3 hrs.**
A survey of English literature of the nineteenth and twentieth centuries, focusing on the mastery of literary terms and recognition of genres ranging from lyric poetry to prose to drama to the novel. Includes major figures such as Wordsworth, Coleridge, Keats, Tennyson, Browning, Dickens, Hardy, Joyce, Woolf, Lawrence, Shaw, Forster, Larkin, and Stoppard. *Prerequisite:* ENGL 102.

ENGL 255. Irish Literature. **3 hrs.**
A study of major Irish writers -- novelists, poets dramatists -- of the nineteenth and twentieth centuries, including Yeats, Joyce, Shaw, Synge, O'Casey, Beckett, Heaney, Boland, and Doyle, with attention to Irish history and the relationship between Ireland and America. *Prerequisite:* ENGL 102; ENGL 163 is recommended.

ENGL 270, 271, 272, 273. Studies in Genre. **3 hrs.**
A study of representative fiction (ENGL 270), poetry (ENGL 271), drama (ENGL 272), or other genres (ENGL 273) that illustrates the historical development of a genre particularly in matters of form. *Prerequisite:* ENGL 102.

ENGL 275, 276. Studies in Gender. **3 hrs.**
An exploration through literature and criticism of questions related to gender. Women's Studies (ENGL 275) will be offered along with courses that consider other issues related to gender (ENGL 276). *Prerequisite:* ENGL 102.

ENGL 311. Creative Writing: Poetry. **3 hrs.**
A workshop course that concentrates on writing poetry and provides a helpful and critical audience for the student's work. *Prerequisites:* ENGL 213 and one course in literature.

ENGL 313. Creative Writing: Fiction. **3 hrs.**
A course that concentrates on writing fiction and provides a helpful and critical audience for the student's work. The course will be conducted as a writing workshop. *Prerequisites:* ENGL 213 and one course in literature.

ENGL 315. Creative Writing: Non-Fiction. **3 hrs.**
An informal workshop course that focuses on writing non-fiction pieces and offers a critical and helpful audience to evaluate the student's work. *Prerequisites:* ENGL 213 and one course in literature.

ENGL 317. Autobiography and Journal Writing. **3 hrs.**
An introduction to the autobiographical genre through the reading of five or six autobiographies from the classic Franklin to the contemporary Maya Angelou. The student will explore his or her own life through various journalistic techniques by keeping a personal journal that will, along with the readings, provide material for writing several papers, culminating in an autobiography. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 319. Advanced Composition. **2 hrs.**
An advanced course in composition in which students practice and develop their skills in exposition, narration, description, and argumentation. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 320. The English Language. **3 hrs.**
The history of the English language and its modern evolution, with attention to varying analysis of its structure and grammar. Required for all English majors. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 337. Modern World Literature. **3 hrs.**
A far-reaching study of modern world writing, investigating significant works from Europe, Asia, and the Americas. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 340, 341, 342. Twentieth Century American Literature. **3 hrs.**
A study of a particular genre such as poetry (ENGL 340), fiction (ENGL 341), or a theme or topic (ENGL 342). A genre course might, for example, look at the novel in the 1990s, while a theme course might pursue the quest for individual identity in American literature of this century. *Prerequisite:* ENGL 102 and one course in literature.

ENGL 350. Shakespeare. **3 hrs.**
A study of representative plays: comedies, histories, tragedies and romances against the background of the Elizabethan age. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 351. The Age of Chaucer. **3 hrs.**
The poetry of Chaucer as it developed from Middle English literature under the influence of the French and Italian Renaissance. This course will also address other writers of Chaucer's time, the origins of the ballad, and the beginnings of English drama. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 353. The Age of Spenser and Milton. **3 hrs.**
A study of major works of Milton and Spenser, with additional consideration of poets and prose writers of the English Renaissance and Reformation. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 359. Nineteenth Century British Literature. **3 hrs.**
A study of the major literary movements in England in the nineteenth century. The course will survey the entire century, although one era (such as Romanticism) or one genre (such as poetry) might be emphasized. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 370. Critical Approaches and Literary Analysis. **3 hrs.**
A survey of critical approaches from the ancients to contemporary approaches such as feminism and reader-response. Students will read a variety of texts in order to develop their skills in criticism. *Prerequisites:* ENGL 102 and one course in literature.

ENGL 410. Major Author Seminar. **3 hrs.**
A study of a major writer (or, in some cases, two closely related writers) designed to provide in-depth exposure to a particular author's works. Authors whose works would be considered include Chaucer, Spenser and Milton, Wordsworth and Coleridge, Austen, Dickens, Dickinson and Whitman, Joyce and others. *Prerequisites:* English major or permission of instructor, and one course in literature.

ENGL 420. Senior Thesis. **2 hrs.**
During the senior year, directed by instructors in the English department, each major will complete an academic study, critical analysis or writing project, one that represents the student's highest achievement as a scholar or a writer. The project will be presented orally to the department. *Satisfies advanced composition requirement for general studies. Prerequisite:* Major in English.

English as a Second Language

Coordinator: Nancy Porter

Lecturers: Peggy Hall, Nancy Porter, Jenee Wright

International students with a TOEFL score of 500 or below will be requred to enroll in Wesleyan's English as a Second Language (ESL) program for the initial semester at the college. At the conclusion of the initial semester, the ESL instructional staff will evaluate

students' progress and determine whether an additional semester of ESL instruction is required.

Students required to enroll in the ESL program typically earn six credit hours per semester. A maximum of twelve credit hours of ESL instruction may be applied toward an undergraduate degree; graduate students required to take ESL instruction will earn undergraduate credit. Any additional ESL instruction credit beyond the initial twelve hours of credit will not apply toward degree requirements. In addition to classes, students will have two to three contact hours per week with program peer tutors.

ENSL 111. Readings in English I. **2 hrs.**
A general reading and vocabulary-building course for non-native speakers. Emphasis on basic comprehension skills using selected short stories, poetry, and cultural nonfiction. Vocabulary development for real-life situations and basic word structures, including synonyms, homonyms, prefixes, and suffixes. *Meets three hours per week.*

ENSL 112. Readings in English II. **2 hrs.**
Advanced comprehension skills and literary analysis development using a novel, in addition to short stories and cultural nonfiction. Expansion of more specialized vocabulary, including homophones, antonyms, idioms, and technical language. *Meets three hours per week.*

ENSL 121. Intermediate Writing I. **2 hrs.**
A general course in basic writing skills for the intermediate level non-native speaker. Emphasis on effective use of the writing process through practice in sentence structure, paragraph development, distinguishing between central and supporting ideas, grammar, punctuation, and usage. *Taken concurrently with ENSL 111, this course meets three hours per week.*

ENSL 122. Intermediate Writing II. **2 hrs.**
In this course, students will make the transition from paragraph writing to writing essays using a variety of writing modes, such as description, narration, process, example, comparison/contrast, cause/effect, and persuasion. Critical reading skills will be applied to professional essays as models. Continued effective use of the writing process, with emphasis on thesis development and support, organization, sentence development, grammar, punctuation, and usage. *Taken concurrently with ENSL 112, this course meets three hours per week.*

ENSL 127. Intermediate Speaking and Listening I. **2 hrs.**
A course designed to continue the development of speaking and listening skills for the intermediate level non-native speaker to assist in everyday conversations and understanding of academic class lectures. Students will practice these skills through a variety of speaking activities, reading aloud, listening to recordings, dictations, and lectures. *Taken concurrently with ENSL 111, this course meets three hours per week.*

ENSL 128. Intermediate Speaking and Listening II. **2 hrs.**
Continuation of oral and listening skill development for the intermediate level non-native speaker. Students will practice these skills through a variety of interactive activities, including probing for information, responding to questions, asking for and responding to opinions, and presentation of speeches. *Taken concurrently with ENSL 112, this course meets three hours per week.*

Environmental Science

The primary goals of this program are to provide students with first-hand experience in the field of environmental science as well as an in-depth understanding of local and global environmental issues. Graduates of this program will be well prepared to enter the fields of water quality management, natural resource conservation, environmental chemistry, ecology, environmental education, forestry and wildlife management. The B.S. program is designed for students who expect to pursue graduate studies or a career in science. The

B.A. program is for students who wish to blend environmental science with another discipline, such as economics, computer science, or political science.

Requirements for Bachelor of Science Major

55-57 semester hours, including BIOL 130, 160, 252, 254, 370, 372, 376, 378, 496, 498, and one biology elective (200 level or higher). In addition, students must take PHSC 127; either MATH 150 or 161; CHEM 161, 163L, 221, 223L; either CHEM 231 and 233L or 250 and 251L.

Requirements for Bachelor of Arts Major

53-55 semester hours, including either BIOL 110 or 160; BIOL 130; either BIOL 250 or 252; BIOL 254, 370, 372; either BIOL 376 or 378; and BIOL 496. In addition, students must take PHIL 130; RELG 214; GEOG 131; CHEM 105, 106, 107L, 108L; POLS 101, 328; and one course selected from MATH 110, 130, 150, 161.

Requirements for Environmental Studies Minor

17-18 semester hours, including either BIOL 110 or 160; BIOL 130, 370, 397; PHIL 130; and either RELG 214 or GEOG 131.

Finance

See Business for description of major program.

Geography

Lecturer: Gavin Donaldson

GEOG 121. World Geography. **3 hrs.**
An introductory study of world regions focusing on individual countries and areas. Course content draws on physical and cultural elements that assist the student in interpreting the living conditions and actions of humankind in diverse parts of the world.

GEOG 131. Introduction to Geographic Information Systems. **3 hrs.**
An introduction to the history and uses of geographic information systems (GIS). GIS software facilitates the spatial analysis and display of data. Covered within an interdisciplinary context, topics include GIS concepts, data sources, applications, analysis, and visual display of data. Instruction via hands-on training in ArcView GIS software.

History

Professor Emeritus: Herbert Coston

Professors: Stephen Cresswell, Robert Rupp, Richard Weeks

Associate Professors: Marvin Carr, William Mahoney

Assistant Professor: James Beeby

The history curriculum is designed to encourage students to read critically, think creatively, research thoroughly, and write effectively. The department encourages students to explore the American past, the European heritage, and Non-Western cultures. A major in history is an excellent foundation for graduate study in law, theology, the humanities, and social

sciences. History graduates have found rewarding careers in journalism, research and writing, archival and museum work, teaching, and government service.

Requirements for Major

34 semester hours, including HIST 102, 122, 161; 101 or 121; 201; one 300-level U.S. history course; one 300-level European history course; one additional 300-level course; two additional courses above the 100 level; HIST 497 and 498.

History majors are urged to take at least 6 hours of a foreign language.

Credit for survey courses 101, 102, and 121, 122 may be established by passing the appropriate College Level Examination Program (CLEP) examinations. No more than 6 hours of exam credit may be applied toward a major.

Requirements for Minor

15 semester hours, including 102, 122 and at least one Non-Western history course. No more than 3 hours of exam credit may be applied toward a minor.

HIST 101. History of the United States I. **3 hrs.**
A survey of the history of the United States from the discovery of America through the Civil War. Emphasis on social, political, and economic developments.

HIST 102. History of the United States II. **3 hrs.**
Continuation of HIST 101, covering the period from the Reconstruction to the present.

HIST 121. History of Western Civilization I. **3 hrs.**
Survey of Western Civilization from prehistory to the close of the religious wars of the Reformation, including Egypt and the ancient Near East, classical Greece and Rome, the early and late Middle Ages, and the Renaissance and Reformation.

HIST 122. History of Western Civilization II. **3 hrs.**
Survey of Western Civilization from the close of the sixteenth century to the present day with attention to major social, political, economic, intellectual, and artistic developments that have shaped the Western world in modern times.

HIST 161. Introduction to the Non-Western World. **3 hrs.**
An introduction to selected traditional societies before their contacts with Western Civilization during the nineteenth century. Novels and audio-visuals supplement texts and lectures to provide an understanding of the common person's village life as well as the Great Tradition of these civilizations.

HIST 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

HIST 201. Historical Methods. **3 hrs.**
Study of historical writing with the goal of developing a deep critical knowledge of the writings of the major schools of history. Analysis of readings in terms of the technical and philosophical problems underlying all historical study. Introduction to the art of historical research and writing, use of sources, and methodologies. *Prerequisite:* HIST 101 or 102.

HIST 204. Medieval History. **3 hrs.**
A study of the developments in medieval arts and society in Europe with emphasis on the period between the tenth and fifteenth centuries.

HIST 207. Renaissance History. **3 hrs.**
A study of artistic, political and religious developments in Renaissance Europe with emphasis on Italian Humanism and the Renaissance north of the Alps.

HIST 210. Parties and Elections. 3 hrs.
Description under POLS 210.

HIST 212. Reformation History. 3 hrs.
A study of the religious, political, and cultural developments in the Reformation with emphasis on sixteenth century Germany and Switzerland, and including developments to 1648.

HIST 225. History of Modern Germany. 3 hrs.
A history of Germany since 1815, including the rivalry between Austria and Prussia, the mid century revolutions and Bismarck's wars of unification, Prussian leadership in the German Empire of 1871-1918, the politics and culture of the Weimar Republic, the impact of the two world wars, the social and political nature of the Third Reich, and the division and reunification of the two Germanies.

HIST 228. History of Europe, 1789-1890. 3 hrs.
An examination of European history from the French Revolution and Napoleonic Era to the coming of the Golden Age. The revolutionary tradition and the upheavals of 1848, the impact of modernization and industrial progress, the development of the modern nation-state, and the growing pressures on domestic politics and the international system arising from nationalism and imperialist expansion.

HIST 231. American Foreign Policy. 3 hrs.
Description under POLS 231.

HIST 232. History of Europe, 1890 to the Present. 3 hrs.
A look at European society from La Belle Epoque to the present day, including the origins and consequences of the First World War, the political and economic instability of the interwar years, the development and application of totalitarian ideologies, the cataclysm of the Second World War, the Cold War and the division of Europe, the consequences of the democratic revolutions of 1989 and the collapse of the Soviet Union, and the long road to European unity. *Prerequisite:* HIST 122.

HIST 234. Topics in European History. 3 hrs.
Exploration of a specialized topic in European History chosen by the instructor.

HIST 239. History of West Virginia. 3 hrs.
A study of the coal industry and its economic, social, and political influence on the history of West Virginia; designed for teachers of social science and individuals interested in the affairs of this state and its region.

HIST 244. History of Multi-cultural America. 3 hrs.
This course is an overview of the history of U.S. racial minority groups. Using a comparative approach, the course will focus on three particular groups: African Americans, Native Americans, and Asian Americans. The course will probe the history of each group using lectures, sound recordings and film, readings in primary sources, and more.

HIST 245. Civil War and Reconstruction. 3 hrs.
An analytical study of the social forces, events and personalities involved in the disruption of the Union and its reconstruction (from 1840 to 1876).

HIST 246. American Labor and Radicalism. 3 hrs.
A study of the forces that influenced the rise of labor, including the history of organized labor, craft unionism and collective bargaining, labor-management relations, and labor law. Attention also to various radical groups and political parties founded by laboring persons, including the anarchists, the I.W.W., and the Socialist Party. Assessment of the efforts of American labor to gain and maintain power in a diverse society.

HIST 254. Recent History of the United States. 3 hrs.
An analysis of American society emphasizing the role of leadership, policy-making, and events of our foreign and domestic involvements since 1940. *Offered in alternate years.*

HIST 257. Topics in American History. 3 hrs.
Exploration of a specialized topic in United States history chosen by the instructor.

HIST 260. American Legal History. 3 hrs.
A survey of American legal history, tracing the influence of the law on everyday life and its impact on social and political history. Includes criminal law and the desire to enforce conformity to government policy, resistance to the laws, the changing role of attorneys in society.

HIST 267. African-American History I. 3 hrs.
A survey of the experience of African-Americans from their beginnings in Africa through the Civil War and Reconstruction. An examination of such topics as traditional African societies, the institution of slavery, the development of African-American culture, the Civil War and Reconstruction and the African-American.

HIST 268. African-American History II. 3 hrs.
A survey of the experience of African-Americans from Reconstruction to the Civil Rights Era. Focus on such topics as African-American rural and urban societies, African-American church and education, and African-American intellectual and protest movements.

HIST 270. People's Republic of China. 3 hrs.
A study of issues in Chinese history since 1949, such as the balance between continuity and change, between ideology and practical considerations, and between domestic and foreign policies.

HIST 273. Japan Since 1868. 3 hrs.
The Meiji restoration of 1868 is often interpreted as the beginning of Modern Japan. This survey of Modern Japanese history uses the theme of balancing continuity and change, discussing it in the periods of Meiji Reforms, Taisho Democracy, Militarism and War, postwar recovery, and the emergence of Japan's "post-industrial" society in the 1990s.

HIST 301. Historiography. 3 hrs.
The history and philosophy of the study of history. How has the study of history evolved over time, who have been some of the most important historians, and what issues have aroused controversy among professional historians over the years? Students will employ and improve their research skills by investigating the work of a major historian. *Prerequisite:* HIST 101 or 102.

HIST 325. Eastern Europe in the Twentieth Century. 3 hrs.
A survey of major social, political, and intellectual developments in Eastern Europe from the turn of the century to the democratic revolutions of 1989 and beyond. The course covers both individual national histories and broader regional developments, including nationalism, ethnicity, and regional tensions; the two world wars and the new order of the interwar period; the creation of communist societies and the Soviet Bloc; the Prague Spring, Solidarity, and the other "cracks" in the Bloc; the democratic revolutions of 1989; and the post-1989 struggles to achieve political and economic reforms.

HIST 330. European Social and Intellectual History Since 1789. 3 hrs.
An examination of European social and intellectual history since the Enlightenment. Topics include the impact of the Enlightenment and the revolutionary era on European society and thought; the effects of industrialization and modernization on social development, social classes, and gender roles; and advances in philosophy, political and social theory, science, and the arts from the late 1700s to the present. *Prerequisite:* HST 122 or permission of instructor.

HIST 335. History of Modern France. 3 hrs.
An examination of French history since the Enlightenment with emphasis on the origins of the revolutionary and Napoleonic traditions, the evolution of French society and culture, the role of France in European affairs, the nature and politics of the French republics, and the development of a peculiarly French view of the world in the modern era.

HIST 340. History of Modern Russia. 3 hrs.
The history of Russia from 1796 to the present with emphasis on the decline and fall of the Russia aristocracy, the evolution of reform thought and revolutionary opposition, the revolution of 1917, the Marxist-Leninist dream and its Soviet consequences, the totalitarian state under Stalin, the role of Gorbachev's perestroika and the collapse of the Soviet Union, and the political and economic struggles of the post-Soviet era.

HIST 353. United States Early Republic, 1789-1848. 3 hrs.
Development and growth of American social, political, and economic institutions from the ratification of the Constitution to the Mexican War. Topics include the emergence of new ideologies of race and gender, the market revolution, slavery and the Old South, antebellum religion and reform. *Prerequisite:* HIST 101 or 102.

HIST 356. United States Guilded Age and Progressive Era, 1888-1917. 3 hrs.
The transformation of the United States into an urban-industrial society and the consequences of this transformation for American culture, society, and politics. Examination of United States history around the turn of the century concentrating on the themes "the price of progress", "industrialization and its discontents", "and the "emergence of America as a world power". America's rise is set off against intense political and cultural conflict. Special emphasis on labor, Populism, the rise of the middle class, imperialism, urbanization and immigration, and the "closing of the west", the women's suffrage movement, Progressive Reform movements, and race relations. *Prerequisite:* HIST 101 or 102.

HIST 357. United States Comes of Age, 1917-1945. 3 hrs.
Why and how the United States became a great, then a global, power. The new "associational" state, foreign policy, World War I and World War II, consumer culture, the "new" woman, the Great Depression, and the New Deal. *Prerequisite:* HIST 101 or 102.

HIST 497. Senior Seminar. 3 hrs.
Advanced readings, discussion, and use of primary and secondary materials to write and present orally a major research paper. Consideration will be given to research techniques, manipulation of data, interpretation of the past, and writing styles. *Satisfies advanced composition requirement for general studies. Prerequisite:* History major.

HIST 498. Senior Comprehensive Examination. 1 hr.
Review and oral examination covering several major areas in the discipline of history. *Prerequisite:* Consent of instructor.

Interdisciplinary

INDS 115. Freshman Seminar. 1 hr.
An eight-week course designed to assist students in the transition from high school and to introduce them to the academic expectations of a selective liberal arts college. Weekly small group discussions help students to address the social and academic challenges of college life. The instructor serves as the student's first academic advisor. Students receive laptop training at a level appropriate to their skills. *Meets two hours per week.*

INDS 120. Introduction to the Humanities. 3 hrs.
Exploration of major works in the arts and humanities recognized as perennially significant expressions of human creativity and insight. Within the general studies program this course focuses on Western foundations of our heritage, building a common basis for subsequent college studies. The course is taught by faculty from various disciplines and emphasizes interpretation of primary works through group discussion. *Must be taken during the freshman or sophomore year. Prerequisite:* ENGL 101.

INDS 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic that is not otherwise represented in the curriculum.

INDS 310. Honors Seminar. **1 hr.**
Weekly discussion of current events topics. Students will submit a brief paper and make a brief oral presentation each week. A common learning experience for Honors students from all disciplines. *Prerequisite:* Honors student or 3.5 GPA. *May be repeated for credit.*

International Business

See Business for description of major program.

International Studies

The interdisciplinary international studies major provides a broad liberal arts foundation, a basic knowledge of foreign cultures, and an opportunity to concentrate in studies of one or more geographic regions. This major prepares students for graduate study, a position in a multinational corporation, international social service such as the Peace Corps or church-related mission work, or work with an international foundation or volunteer agency.

Travel and study abroad programs are encouraged. Credit for such programs may be applied toward the major if approved in advance. International studies majors are encouraged to participate in the International Student Organization while on campus.

Requirements for Major

45-51 semester hours, including parts I-V, as prescribed below. *Students may apply courses in their own national history and culture toward the major only with permission of the international studies advisor.*

I **International Relations** (12 semester hours): POLS 120 and three courses selected from POLS 225, 231, 232, 350, 353.

II **Economics and Society** (12 semester hours): ECON 110, GEOG 121; and two courses selected from an approved international travel/study course, ECON 120, 331; SOCI 110, 215, 305.

III **Area of Concentration** (18 semester hours in one option, including 9 hours in history and 9 hours in other areas):

Option A. **Asia:** ENGL 231; HIST 161, 270, 273; POLS 325; RELG 240, 245.

Option B. **Europe:** HIST 204, 207, 212, 225, 228, 232, 325, 330, 335, 340; ART 241, 242, 246; ENGL 235, 251, 252, 337, 350, 351, 353, 359; PHIL 111, 211, 260, 270; POLS 320; SOCI 307.

Option C. **General/Global:** Selection of courses from those listed for Asia and Europe, as well as courses on Africa, Latin America, the Middle East, etc., including at least three courses from a single country or region outside the United States. The selection is to be made according to the distribution above and approved by the international studies advisor.

Option D. **United States** *(open to international students only)*: Selection of courses at the 200 and 300 level in American history and other courses in American politics, society, culture, religion, and other relevant areas of American life. The

Management

See Business for description of major program.

Marketing

See Business for description of major program.

Mathematics

Professor: Michael Berry

Assistant Professor: Pete McGill

Instructor: Hobert Corley, Jr.

Lecturers: Barbara Hammon, Delbert Williams

The mathematics program at Wesleyan is designed to prepare students for employment as applied mathematicians in industry, for entrance into graduate school, for certification as secondary or elementary teachers of mathematics, or for a variety of careers in other disciplines which require that blend of intuition, formalism, and logic which characterizes the mathematical process.

Requirements for Major

43 semester hours, including PHYS 151; MATH 161, 162, 223, 240, 250; 301 or 310; 320, 341, 440, 450; and 9 semester hours of mathematics electives at the 200 level or above. Each student must complete one of these sequences: MATH 341 and 342 or MATH 330 and 331.

Requirements for Minor

20 semester hours, including MATH 161, 162, and 223. The remaining 9 hours must be selected from courses numbered above 223.

For programs leading to teacher certification in mathematics at the middle childhood and adolescent levels, see Education.

Policy

Any student receiving an F in MATH 103, 105, 107, 110, 115, 140, and 150 must pass Developmental Algebra [DEV 062] before attempting to repeat the failed course or take any other mathematics course.

DEV 062. Developmental Algebra. **3 hrs.**

Description in developmental course section.

MATH 103. Mathematics for the Liberal Arts. **3 hrs.**

A survey of modern mathematics designed to give the non-major a view of the breadth of mathematical thought. Topics include number theory, combinatorics, different number systems, algebraic modeling, geometry (generally from a visual or artistic perspective), logic and reasoning, mathematics of finance, elementary probability and statistics, apportionment and voting theory. *Prerequisite:* Official placement or DEV 062. *See Policy, above.*

MATH 103. Mathematics for the Liberal Arts. **3 hrs.**
A survey of modern mathematics designed to give the non-major a view of the breadth of mathematical thought. Topics include number theory, combinatorics, different number systems, algebraic modeling, geometry (generally from a visual or artistic perspective), logic and reasoning, mathematics of finance, elementary probability and statistics, apportionment and voting theory. *Prerequisite:* Official placement or DEV 062. *See Policy, above.*

MATH 105. History of Mathematics. **3 hrs.**
Evolution of number systems and computations using those number systems in the Egyptian, Babylonian, Greek, Roman, Mayan, and Asian cultures. The contributions of these cultures and distinguished mathematicians such as Archimedes, Pythagoras, Euclid, and Cardano; the solutions of famous problems. *Prerequisite:* Official placement or DEV 062. *Usually offered every semester. See Policy, above.*

MATH 107. Practical Algebra. **3 hrs.**
A general studies-level course designed to give students increased confidence in applications of algebra and the use of technology, stressing the use and possible misuse of mathematics in the social and life sciences, and providing an introduction to critical analysis of data. Topics include gathering, exploring, describing and interpreting data; graphing, visualizing and describing statistical data including mean, median and mode systems of measurement; linear regression and properties of linear, quadratic and exponential functions using actual data. TI-82 calculators will be used extensively. *Prerequisite:* Official placement or DEV 062. *Usually offered every semester. See Policy, above.*

MATH 110. College Algebra. **3 hrs.**
Polynomial equations and inequalities in one and two variables. An introduction to the complex number system. Systems of equations and inequalities, functions and graphing. Emphasis throughout on applications and problem-solving techniques. *Prerequisite:* Official placement or DEV 062. *Usually offered every semester. See Policy, above.*

MATH 115. Elementary Statistics. **3 hrs.**
An introductory-level course emphasizing data and statistical reasoning. Topics include data representation and distributions, regression and correlation, experimental design, sampling, inference, estimation and confidence. *Prerequisite:* Official placement or DEV 062. *Students may not receive credit for both MATH 115 and PSYC 225. See Policy, above.*

MATH 120. Trigonometry. **3 hrs.**
The trigonometric functions and their graphs; identities and conditional equations. Solutions of triangles; the Law of Sines, the Law of Cosines. Inverse trigonometric functions. Radians and vectors. Emphasis throughout on applications and problem-solving techniques. Technology will be introduced. *Prerequisite:* Official placement or MATH 110, which may be taken concurrently. *Usually offered every spring semester.*

MATH 130. PreCalculus. **3 hrs.**
Functions and their inverses; exponential, logarithmic functions and equations. Conic sections; series and sequences; the Binomial Theorem. Applications, numerical methods, problem-solving techniques and the use of technology, including both computers and graphing calculators, will be stressed throughout. A graphing calculator is recommended. *Prerequisites:* MATH 110 or official placement. *Usually offered every semester.*

MATH 140. Geometry. **3 hrs.**
Basic elements of plane Euclidean geometry, with an emphasis on visualization and manipulation. Congruent and similar triangles; properties of circles and polygons; tessellations; constructions. Formal and informal proofs. Group work. Dynamic geometry software will be used in computer explorations. *Prerequisite:* Official placement or DEV 062. *Usually offered every spring semester. See Policy, above.*

MATH 150. Problem Solving. **3 hrs.**

The use of different problem-solving strategies, techniques, and tools. Types of problems to be considered include algebraic, logic, cryptarithmetic, and number theory. Emphasis on organization, group work and writing throughout. Some use of technology. *Prerequisite:* Official placement or DEV 062. *Usually offered every fall. See Policy, above.*

MATH 161. Calculus I. **4 hrs.**

Introductory calculus with a laboratory component. Differentiation and applications of the derivative; transcendental functions; differential equations, numerical approximations, mathematical modeling. Emphasis throughout on projects, group work and written reports. *Prerequisite:* MATH 130 or equivalent, or official placement. *Usually offered every semester.*

MATH 162. Calculus II. **4 hrs.**

Introductory calculus with a laboratory component. Integration, integration techniques and applications of the integral; the Fundamental Theorem of Calculus. Improper integrals. Polynomial approximations. L'Hopital's rules. Infinite series and power series. Additional work with differential equations, numerical methods and mathematical modeling. Emphasis throughout on projects, group work and written reports. *Prerequisite:* C (2.0) or better in MATH 161 or equivalent. *Usually offered every semester.*

MATH 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum. A MATH 288 course will usually be offered spring semester in odd years; a MATH 388 course will usually be offered spring semester in even years.

MATH 223. Calculus III. **3 hrs.**

Multivariable calculus with a computer laboratory component. Curves and surfaces in space. Partial differentiation, multiple integration, two- and three-dimensional vector algebra and calculus. Emphasis throughout on projects, group work and written reports. *Prerequisite:* C or better in MATH 162 or equivalent. *Usually offered every fall semester.*

MATH 230. Differential Equations. **3 hrs.**

First and second ordinary differential equations; analytic methods, including Laplace Transforms and Fourier Series; numerical methods. Series solutions. An introduction to partial differential equations. There will be a computer laboratory component and written reports. *Prerequisite:* MATH 223. *Usually offered every spring semester.*

MATH 240. Discrete Mathematics. **3 hrs.**

Graph theory; transversibility, trees and directed graphs. Combinatorics; counting, partial orderings and elementary probability. Number theory; divisibility and modulo arithmetic. Algorithms emphasized throughout. *Prerequisite:* MATH 161. *Usually offered every fall semester.*

MATH 250. Basic Concepts of Mathematics. **3 hrs.**

Introduction to formal mathematics, including proofs, formulating and proving conjectures, mathematical notation. Sets and set operations; relations and functions. Finite, countable and uncountable sets. Axiomatic construction of the real number system. Group work and the communication of mathematics, written and oral, will be emphasized. *Mathematics majors must complete this course by the end of their sophomore year. Not open to freshmen. Pre- or co-requisite:* MATH 162. *Usually offered every spring semester.*

MATH 301. Advanced Engineering Mathematics. **3 hrs.**

Three-dimensional vector calculus; Stoke's and divergence theorems. Linear algebra; eigenvalues and unitary transformations. Complex analysis; residue integration and conformal mappings. Numerical methods emphasized in all areas. There will be projects and written reports. *Prerequisite:* MATH 230. *Usually offered every fall semester.*

MATH 310. Linear Algebra. **3 hrs.**

Vectors and vector spaces; inner product spaces. Coordinate systems; bases; linear independence, orthogonality. Matrices; linear transformations; eigenvalues and eigenvectors. Technology will be used. *Prerequisite:* MATH 223. *Usually offered spring semester, even years.*

MATH 320. Algebraic Structures. **3 hrs.**

Groups, rings, fields and algebras. Homomorphisms, structure theorems. Quotient groups and rings. Emphasis on models throughout. *Prerequisites:* MATH 240 and 250. *Usually offered fall semester, odd years.*

MATH 330. Theory of Probability. **3 hrs.**

Mathematical probability theory. Event spaces, discrete and continuous distributions. Conditional probabilities and Bayes rule. Random variables and special distribution functions. Joint and marginal distributions. Limiting distributions and the Central Limit Theorem. Technology will be used. *Prerequisite:* MATH 223. *Usually offered spring semester, odd years.*

MATH 331. Mathematical Statistics. **3 hrs.**

Mathematical treatment of modern statistics. Biased and unbiased estimation. Confidence intervals. Hypothesis testing and types of errors. Least squares estimators and linear regression. Experimental design. Analysis of variance and categorical data. *Prerequisite:* MATH 330. *Usually offered fall semester, odd years.*

MATH 341. Real Analysis I. **3 hrs.**

Sequences and their limits; continuity and consequences; uniform continuity. An introduction to real line topology, including the Bolzano-Weierstrass theorem. Emphasis on group work and oral presentations. Some use of technology. *Prerequisite:* MATH 250. *Usually offered fall semester, even years.*

MATH 342. Real Analysis II. **3 hrs.**

Differentiation and the mean value theorems; the Riemann integral and the mean value theorems. The Fundamental Theorem of Calculus. Series, power series and uniform convergence. There will be projects, oral presentations, and use of technology. *Prerequisite:* MATH 341. *Usually offered spring semester, odd years.*

MATH 440. Research. **3 hrs.**

An introduction to mathematical research and the writing of mathematical papers. Emphasis is placed on current and historical mathematics literature. The course consists of a series of papers and oral presentation of them and culminates in the writing of the senior research paper. *Satisfies advanced composition requirement for general studies. Prerequisites:* Mathematics major and senior standing. *Usually offered every fall semester.*

MATH 450. Seminar. **1 hr.**

Oral presentation to mathematics students and faculty of the research paper prepared in MTH 440 during the previous semester. *Prerequisite:* MATH 440. *Usually offered every spring semester.*

Modern and Classical Languages

Professor: Marjorie Trusler

Assistant Professor: Vicki Phillips

Lecturer: Jenee Wright

Courses in this department are designed to develop basic language and cultural proficiencies.

Requirement for Minor

A minor in Spanish is available to students who elect to take 6 hours above the intermediate level. These hours may be taken at Wesleyan through regular course work or learning contracts, at another U.S. institution, or through recognized study abroad. Contact instructors in the department for information about a minor in French.

French

FRCH 101. Introductory French I. **3 hrs.**
A course designed to give the student basic proficiency in language skills and cultural awareness. *Meets four hours per week.*

FRCH 102. Introductory French II. **3 hrs.**
Continuation of FRCH 101. *Meets four hours per week. Prerequisite:* FRCH 101.

FRCH 201. Intermediate French I. **3 hrs.**
A course designed to continue development of language and cultural proficiencies. *Prerequisite:* FRCH 102 or equivalent.

FRCH 202. Intermediate French II. **3 hrs.**
Continuation of FRCH 201. *Prerequisite:* FRCH 201.

Greek

GERK 201. New Testament Greek I. **3 hrs.**
Elementary Hellenistic Greek grammar oriented toward the reading of the Greek New Testament. *Offered in alternate years.*

GERK 202. New Testament Greek II. **3 hrs.**
Continuation of GERK 201. *Prerequisite:* GERK 201. *Offered in alternate years.*

GERK 301. Readings in Hellenistic Greek I. **1-3 hrs.**
Additional experience in translation and in using resources for philological study of the New Testament and related Hellenistic Greek works. *Prerequisites:* GERK 201 and 202. *Offered in alternate years.*

GERK 302. Readings in Hellenistic Greek II. **1-3 hrs.**
Continuation of GERK 301. *Prerequisite:* GERK 301. *Offered in alternate years.*

Spanish

SPAN 101. Introductory Spanish I. **3 hrs.**
A course designed to give the student basic proficiency in language skills and cultural awareness. *Meets four hours per week.*

SPAN 102. Introductory Spanish II. **3 hrs.**
Continuation of SPAN 101. *Meets four hours per week. Prerequisite:* SPAN 101.

SPAN 201. Intermediate Spanish I. **3 hrs.**
A course designed to continue development of language and cultural proficiencies. *Prerequisite:* SPAN 102 or equivalent.

SPAN 202. Intermediate Spanish II. **3 hrs.**
Continuation of SPAN 201. *Prerequisite:* SPAN 201.

SPAN 301. Advanced Spanish I. **3 hrs.**
A course designed to continue the development of language proficiency and cultural awareness. Emphasis on spontaneous expression based on representative print and nonprint media from Hispanic cultures. *Prerequisite:* SPAN 202 or instructor's permission.

SPAN 302. Advanced Spanish II. **3 hrs.**
Continuation of SPAN 301. *Prerequisite:* SPAN 301.

Multi-cultural Studies

The multidisciplinary minor in Multi-cultural Studies provides a broad liberal arts foundation, a basic knowledge of ethnic cultures in the United States and in the world, and an opportunity to further one's understanding of ethnic relations, multiculturalism, and the intersection of race, class, and gender. It prepares students for a world complexity of multi-cultural relations, cultural expression, and the interconnection of the world. This minor prepares students for graduate study, teaching at the elementary and secondary school level, careers in business, international business, and management, international social service in non-profit organizations, museum and administrative work, or government service.

Requirements for a minor in Multi-cultural Studies
15 semester hours including six hours from the Domestic section and six hours from the International section. Multi-cultural Studies is a multidisciplinary program with a maximum of six hours allowed in any one discipline.
Domestic: COMM 121, ENGL 245, ENGL 275, HIST 267, HIST 268, SOCI 243
International: ENGL 230, ENGL 231, ENGL 232, HIST 161, HIST 270, POLS 240, POLS 325, POLS 347, RELG 240, RELG 245, SOCI 305, SOCI 315

Music

Professors: David Milburn, Larry Parsons, Linda Sabak

Associate Professors: Caroline Dees, Melody Meadows

Assistant Professor: David Wright

Lecturers: James Atha, Robert Baden, Marguerite Bostonia, Robyn Card, Mark Hamrick, Jane Lightfoot, Richard Manspeaker, Andrew Scott, William Whitesides, Linda Wolfersheim, Jenee Wright

The music curriculum is designed to develop an understanding and appreciation of music, and to help students become accomplished musicians. The Bachelor of Music Education degree serves those who are preparing for the teaching profession, and the Bachelor of Arts degree accommodates those wishing a liberal arts degree or wishing to emphasize a particular aspect of music such as performance or theory in their study. Various options for a contract major combining music with other disciplines, such as business or Christian education, are possible. All curricula offered provide a strong foundation for graduate study.

The music program is accredited by the National Association of Schools of Music and endorses the statement on Basic Musicianship adopted by this national accrediting organization. The program seeks to develop basic musicianship in the following areas: (1) A conceptual understanding of such musical properties as sound, rhythm, melody, harmony, texture and form; and opportunities for developing a grasp of their interrelationships as they form the cognitive-affective basis for listening, composing and performing; (2) Repeated opportunities for enacting in a variety of ways the roles of listener (analysis), performer (interpretation), composer (creation), and scholar (research); (3) A repertory for study that embraces many cultures and historical periods.

Admission To and Continuation In the Music Program

Students wishing to major in music are admitted to the program provisionally according to a placement audition in applied music at the beginning of the first semester of

study. At the end of the fourth semester an evaluation of the progress made in both musical and academic studies will be made by the music faculty and, after a private conference with the student, a decision regarding continuation in the program will be made.

Students must have the folloring requirements to proceed in the music major:

1. A cumulative grade point average of 2.0 or higher on all college work.
2. A grade of C (2.0) or better in MUSC 101,102,201,202, and 301. Any of these courses with an unsatisfactory grade (C- through F) may be repeated only once.

Requirements for the Bachelor of Music Education Degree

54 semester hours of music courses, plus applied music instruction (amount varies), plus 31-32 semester hours of professional education courses. Music courses include MUSC 101, 102, 110 (voice majors only), 145, 201, 202, 209, 221 and 222 (for non-voice majors), 231, 232, 241, 242, 243, 244, 270, 275, 276, 301, 310, 321, and 322. All candidates for this degree are required to attain a minimum of level 8 in their chosen field of applied music, which is normally achieved by a maximum of 14 semester hours of study, and to present an assisted recital in their major performing area in their junior or senior year (with or without one hour credit). All non-keyboard majors are required to attain a level 2 in piano, which is normally achieved by a maximum of 4 semester hours of study. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit, and to establish a minimum of 4 semester hours credit in ensemble. No more than 4 ensemble credits may apply toward the 120-hour minimum required for graduation.

Professional education courses include EDUC 101, 201, 250, 306; EDUC 361 or SPEC 330; EDUC 467, 472, 474; SPEC 230. In addition, students must satisfy all current requirements of the West Virginia Department of Education for *all* teacher certificates and/or by West Virginia Wesleyan College for *all* degrees, and they must complete the following courses, some of which also satisfy general studies requirements: PHED 130 or 201; one course from COMM 121, ENGL 245, HIST 267 or 268, SOCI 243, 305, special topics course approved by the education department. See Education section of this catalog.

Requirements for Music Major, Bachelor of Arts Degree

51 semester hours, including MUSC 101, 102, 110 (voice majors only), 201, 202, 301, 321 and 322, attainment of level 6 in one area of applied music, 4 hours of ensemble and music electives to complete 51 hours. Students wishing to complete an *applied music emphasis* must attain a level 10 in one area of performance and give a full recital (with or without one hour credit). All non-keyboard majors are required to attain a level 2 in piano, which is normally achieved by a maximum of 4 semester hours of study. Students wishing to complete a *theory emphasis* must complete MUSC 250 and 270, attain a level 6 in piano and complete a special project in musical research, analysis or composition during their senior year, the results of which will be shared publicly through a lecture or lecture-recital. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit. No more than 4 ensemble credits may apply toward the 120-hour minimum required for graduation.

Requirements for Minor

15 semester hours, including MUSC 101, 215, sufficient study in chosen field of applied music to attain level 4, 2 semester hours of ensemble and 2 semester hours of electives in music. *Music minors must achieve a grade of C (2.0) or better in each music course.*

MUSC 101. Basic Musicianship I. **4 hrs.**
Review of mechanics and music fundamentals. An integrated study of basic musical units through development of individual skills in music listening, performance, composition, analysis and criticism, incorporating the principles of comprehensive musicianship. Training includes elementary aural perception, sight singing, dictation, and rhythmic exercises, using traditional classroom teaching methods as well as computer software. *Meets four hours per week.*

MUSC 102. Basic Musicianship II. **4 hrs.**
Continuation of MUSC 101. Emphasis on four-part writing, non chord tones, key and function, with analysis and compositional exercises based on shorter musical works from the eighteenth and nineteenth centuries. Training includes melodic and harmonic dictation, chord identification and progressions, and realization of figured bass, using traditional classroom teaching methods as well as computer software. *Meets four hours per week. Prerequisite:* A grade of C (2.0) or better in MUSC 101.

MUSC 105. Materials of Music. **1 hr.**
Exploration of the basic elements of musical language, providing students skills needed to become effective musicians. Emphasis on improving familiarity with and understanding of rhythm and notation.

MUSC 110. Diction. **2 hrs.**
An introduction to French, German, and Italian diction emphasizing the use of the International Phonetic Alphabet. *Required in freshman year of all voice majors.*

MUSC 115. Voice for Musical Theatre. **2 hrs.**
A non-voice majors' basic course in vocal performance for the stage. Topics include diction and presentation, increasing projection and vocal range; how to choose, practice, and "sell" a song; history of the musical, auditioning techniques, basic music reading. Recommended for students in dramatic arts.

MUSC 120. Jazz Improvisation. **2 hrs.**
A course which combines instruction in jazz theory and repertoire to develop the skills necessary to improvise in the various styles of jazz music, including swing, Dixieland, bebop, Latin, rock, and blues. *Prerequisite:* Permission of instructor based on assessment of musical experience. *May be repeated once for credit.*

MUSC 145. Percussion Instruments. **1 hr.**
Class instruction in the various instruments of the percussion family. Limited to music majors and minors. *Two periods weekly. Offered in alternate years.*

MUSC 149, 249, 349. Ensemble. **Each 1 hr.**
Study and performance of works for choral or instrumental groups, including Concert Chorale, Wesleyan Singers, Concentus Vocum, various instrumental ensembles, Jazz Ensemble and Concert Band. *A maximum of eight ensemble credits may count toward graduation for all students except music majors, who may count only four.*

MUSC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

MUSC 201. Advanced Musicianship I. **5 hrs.**
Continuation of MUSC 102. Intensive analysis of complete movements and larger forms, harmonization of melodies, understanding relationship of phrases and structure, basic discussion of improvisatory techniques, and use of music notation software through lead sheet and score preparation. Training includes sight singing, harmonic dictation, modulation, and basic keyboard realization as well as synthesizer sequencing. *Meets five hours per week. Prerequisite:* A grade of C (2.0) or better in MUSC 102.

MUSC 202. Advanced Musicianship II. **5 hrs.**
Continuation of MUSC 201. A detailed study of the structural principles of music, analysis and composition of two- and three-part inventions, fugue analysis, and compositional exercises based on nineteenth-century models. Training includes sight singing, harmonic dictation, and basic keyboard realization as well as synthesizer sequencing. *Meets five hours per week. Prerequisite:* A grade of C (2.0) or better in MUSC 201.

MUSC 207. Music in Nineteenth and Twentieth Century Russia. **3 hrs.**
A selective survey of the music of the Russian people, with emphasis on the influence of the Russian Orthodox Church and folk culture on the development of a native artistic tradition. Major topics include opera, symphonic music, and Soviet cinema, as well as the role of the arts in a totalitarian state.

MUSC 209. Early and Middle Childhood Methods for the Music Specialist.4 hrs.
A study of various philosophies of music education and their application in the use of singing, listening, rhythmic and creative activities to achieve the objectives of early and middle childhood musical growth. Laboratory includes the preparation of lesson plans using keyboard and fretted instruments. *Prerequisites:* EDUC 201 and approval of music faculty.

MUSC 215. Music Appreciation **3 hrs.**
A course designed to assist students not majoring in music to develop an understanding and appreciation of concert music through directed group listening.

MUSC 217. Introduction to Music Education for the Classroom Teacher. **3 hrs.**
A course designed to provide the elementary classroom teacher an appreciation of music and skills necessary to teach or reinforce the general music class in the primary and intermediate grades. The course addresses the history of music, various types of music, and famous composers and presents the fundamental elements of music through the study of basic classroom instruments such as the recorder, piano, guitar, autoharp and various Orff instruments. Students listen to music by famous composers and observe presentations by the instructor, professional music teachers, and advanced music education majors. *Open only to elementary education majors.*

MUSC 221. Fundamentals of Voice I. **1 hr.**
Class instruction in the development and basic techniques of the singing voice. Designed for non-voice majors in music education. *Two periods weekly. Offered in alternate years.*

MUSC 222. Fundamentals of Voice II. **1 hr.**
Continuation of MUSC 221. *Two periods weekly. Prerequisite:* MUSC 221. *Offered in alternate years.*

MUSC 231. Woodwind Instruments I. **1 hr.**
Class instruction in the fundamentals of the various woodwind instruments. Limited to music majors and minors. *Two periods weekly. Offered in alternate years.*

MUSC 232. Woodwind Instruments II. **1 hr.**
Continuation of MUSC 231. *Two periods weekly. Prerequisite:* MUSC 231. *Offered in alternate years.*

MUSC 241. Brass Instruments I. **1 hr.**
Class instruction in the fundamentals of the various brass instruments. Limited to music majors and minors. *Two periods weekly. Offered in alternate years.*

MUSC 242. Brass Instruments II. **1 hr.**
Continuation of MUSC 241. *Two periods weekly. Prerequisite:* MUSC 241. *Offered in alternate years.*

MUSC 243. Stringed Instruments I. **1 hr.**
Class instruction in the various instruments of the string family, concentrating on two orchestral instruments and guitar. Limited to music majors and minors. *Two periods weekly. Offered in alternate years.*

MUSC 244. Stringed Instruments II. **1 hr.**
Class instruction in various instruments of the string family, concentrating on instruments not covered in MUSC 243 and continuing work with guitar. *Two periods weekly. Prerequisite:* MUSC 243. *Offered in alternate years.*

MUSC 250. Eighteenth Century Counterpoint. **2 hrs.**
Analysis and composition of two- and three-part inventions and three- and four-voice fugues. Use of keyboard, ear training, and sight singing underlies all written work. *Prerequisite:* Permission of instructor.

MUSC 270. Orchestration. **2 hrs.**
Study of range, use, and characteristics of orchestral and band instruments. Scoring for various instrumental combinations. The student is required to make at least one symphonic arrangement from a piano score. *Prerequisite:* MUSC 201. *Offered in alternate years.*

MUSC 275. Instrumental Conducting. **2 hrs.**
Techniques of organizing and conducting band and orchestra; principles of interpretation, score reading; practice conducting. *Prerequisite:* MUSC 102. *Offered in alternate years.*

MUSC 276. Choral Conducting. **2 hrs.**
Techniques of choral conducting; factors involved in choral interpretation, selection of materials, organization and administration of choral work. Practice in conducting. *Prerequisite:* MUSC 102. *Offered in alternate years.*

MUSC 301. Advanced Musicianship III. **4 hrs.**
A detailed study of the evolution of music from Impressionism to the present day. Improvisational jazz styles are discussed. Projects in composition and analysis are based on twentieth-century models with assignments to be completed using music notation software. *Meets four hours per week. Prerequisite:* A grade of C or better in MUSC 202.

MUSC 310. Adolescent Methods for the Music Specialist. **3 hrs.**
A study of adolescent music education, including instrumental and vocal programs on the adolescent level, including concert and marching band, orchestra, high school choir, madrigal group, as well as elective music courses. Music-specific software such as field drills and administrative packages are presented. *Prerequisites:* Admittance to the teacher education program and approval of music faculty.

MUSC 321. History of Music I. **3 hrs.**
A study of the evolution of musical styles, forms, and genres from the plainchant of the early Middle Ages to the Baroque masterpieces of J.S. Bach. Emphasis on contributions of major composers in each historical era, with listening assignments, enhanced by CD ROM. *Prerequisite:* MUSC 202 or consent of instructor.

MUSC 322. History of Music II. **3 hrs.**
Continuation of MUSC 321. A detailed study covering the period from the mid eighteenth century to the present. Major research project involving stylistic analysis of the works of a contemporary composer, requiring library, CD ROM and Internet resources. *Prerequisite:* Consent of instructor.

Applied Music

Applied music study is based on a system of proficiency levels. Level descriptions are available in each area of applied music.

The minimum level requirements for graduation are Bachelor of Music Education: Level 8; Bachelor of Arts: Level 6 (except for students wishing to complete an emphasis in applied music, who must attain Level 10).

The minimum level requirement for a music minor is Level 4 in chosen area.

Although applied music requirements are stated in terms of specific proficiency levels, the schedule of normal advancement toward the desired goal may be measured in terms of semester hours of study.

To earn three semester hours of credit in applied music, a student must have attained at least a Level 5.

Music majors normally earn credit in their chosen field of applied music at the rate of at least two semester hours each semester until their required achievement level is attained.

Students are accepted for applied study as faculty loads permit in the following order of priority: music majors, music minors, non-majors currently participating in a departmental ensemble, others.

MUSC 151, 251, 351. Baritone Horn, Tuba. 1-3 hrs.

MUSC 152, 252, 352. Bassoon. 1-3 hrs.

MUSC 153, 253, 353. Cello, String Bass. 1-3 hrs.

MUSC 154, 254, 354. Clarinet. 1-3 hrs.

MUSC 155, 255, 355. Cornet-Trumpet. 1-3 hrs.

MUSC 156, 256, 356. Flute, Piccolo. 1-3 hrs.

MUSC 157, 257, 357. French Horn. 1-3 hrs.

MUSC 158, 258, 358. Guitar. 1-3 hrs.

MUSC 159, 259, 359. Oboe, English Horn. 1-3 hrs.

MUSC 160, 260, 360. Organ. 1-3 hrs.

MUSC 161, 261, 361. Percussion. 1-3 hrs.

MUSC 162, 262, 362. Piano. 1-3 hrs.

MUSC 163. Piano Class. 1 hr.

MUSC 164, 264, 364. Saxophone. 1-3 hrs.

MUSC 165, 265, 365. Trombone. 1-3 hrs.

MUSC 167, 267, 367. Voice. 1-3 hrs.

MUSC 376, 476. Half Recital. 1 hr.
Prerequisite: Proficiency Level 8.

MUSC 378, 478. Full Recital. 1 hr.
Prerequisite: Proficiency Level 10.

Nursing

Professor: Judith McKinney

Associate Professors: Shauna Aurelio, Judith Halle, Janet Stout

Assistant Professors: John Pyles

Clinical Instructor: Bonnie Smith

The goal of the nursing faculty is to prepare graduates to enter the profession of nursing as competent practitioners who demonstrate critical thinking skills and possess a sound foundation for graduate study in nursing.

Wesleyan's program is accredited by the National League for Nursing Accrediting Commission (61 Broadway, New York, NY 10006; telephone 1-212-363-5555 ext. 153) and approved by the West Virginia Board of Examiners for Registered Nurses.

Admission

Freshmen are admitted to the College as nursing majors. Admission to the sophomore clinical component is based on academic ability determined by a cumulative grade point average of 2.5 or higher and completion BIOL 151 and 152 and NURS 101 and 110 with grades of C or higher. Qualifications for all students will be evaluated by a committee of the nursing faculty.

Nursing courses are sequential and are offered one time per year. Therefore, any student who wishes to apply for admission to the nursing program must do so by the end of the semester preceding the semester in which enrollment in a nursing course is planned. Applications are available in the chairperson's office.

Nursing majors receive a *Nursing Student Handbook* which outlines department policies, including those pertaining to admission, progression, retention and suitability. The faculty reserve the right to exclude or remove from clinical practice any student who has demonstrated attitudes or behaviors incompatible with safe nursing practice.

Before candidates can be considered for licensure as a registered nurse in the United States, they must report any conviction for a felony or misdemeanor to the licensing board. Students are advised to report such conviction to the nursing program and to the Board of Examiners for Registered Nurses upon entry into the nursing program. Nursing students may be required to complete a criminal background check prior to clinical experiences.

Admission with Advanced Standing

Applications for admission with advanced placement in nursing will be assessed by a committee of the nursing faculty whose recommendations will guide the Admission and Registrar's offices. Advanced standing validated through standardized testing is available for Licensed Practical Nurses. Neither the Admission Office nor the nursing faculty can estimate the time required for completion of the Wesleyan program until a transcript of previous work and descriptions of the courses taken are submitted and evaluated.

Program

The basic program is structured for completion in four academic years. Students carry a challenging load and need to plan their schedules in close consultation with advisors.

Students are required to maintain a cumulative 2.0 grade point average and earn a grade of C (2.0) or better in each nursing course and in each support course before proceeding in the program. A course with an unsatisfactory grade may be repeated only once. Only one clinical nursing course may be repeated in the program.

Students anticipating graduate study in nursing are advised to complete a statistics course, selected in consultation with a nursing advisor, as part of their undergraduate study.

RN/BSN Completion Plan

Through Wesleyan's RN/BSN Completion Plan, graduates of diploma and associate degree programs have the opportunity to complete requirements for the baccalaureate degree in nursing. Acceptance and placement within the nursing program depend upon the individual's academic record. A license to practice nursing in the U.S. is required.

Students who are licensed nurses are required to meet the general studies curriculum and graduation requirements as outlined in the College catalog. They are required to complete NURS 410, 420, 440, 450, and 460 in residence. All RN nursing courses are offered via the Web. Contact the Department of Nursing for further details.

Resources

Middleton Hall is well equipped and provides faculty offices, class and seminar rooms, and skills and audio-visual/computer laboratories for nursing students. Clinical laboratory

experience is provided in a variety of settings, including small community hospitals, nursing homes, and large acute care institutions. Responding to trends in health care, health promotion is emphasized and a wide variety of community health agencies are used. The health care institutions and agencies in Buckhannon, Clarksburg, and surrounding areas provide a broad spectrum of clinical learning experiences.

Requirements for Bachelor of Science in Nursing Degree

59 semester hours in nursing, including courses 101, 110, 220, 222, 225, 240, 320, 340, 350, 355, 410, 420, 440, 450, 460; 29 hours of support courses, including BIOL 151, 152, 220; CHEM 105, 106, 107L, 108L; PHED 240; PSYC 235, 236.

This curriculum includes courses currently required by West Virginia Wesleyan College for all degrees.

Suggested Plan of Study

First Year

Fall Semester

NURS 101	Introduction to Professional Nursing
ENGL 101	Composition I
PSYC 101	General Psychology
BIOL 151	Human Anatomy and Physiology I
INDS 115	Freshman Seminar
MATH	Mathematics

Spring Semester

NURS 110	Foundations of Professional Nursing
INDS 120	Introduction to the Humanities
ENGL 102	Composition II
BIOL 152	Human Anatomy and Physiology II
PSYC 236	Developmental Psychology II
PHED 101	Physical Education Activity

Second Year

Fall Semester

NURS 220	Language and Principles of Nursing
NURS 222	Health Assessment
CHEM 105	General Chemistry I
CHEM 107L	General Chemistry I Lab
COMM 211	Fundaments. of Oral Communication
PHED 240	Fundamentals of Human Nutrition

Spring Semester

NURS 240	Nursing Care: Common Health Problems
BIOL 220	General Microbiology
CHEM 106	General Chemistry II
CHEM 108L	General Chemistry II Lab
NURS 225	Pharmacology and Drug Therapy

Third Year

Fall Semester

NURS 320	Mental Health Nursing
NURS 340	Nursing Care: Multiple Health Problems
	International Cultural Studies
PSYC 235	Developmental Psychology I

Spring Semester

NURS 350	Nursing Care of Children
NURS 355	Nursing Care: Life Threatening Health Problems
HIST	History
	Domestic Cultural Studies

Fourth Year

Fall Semester

NURS 410	Family Nursing
NURS 440	Community Health Nursing
NURS 460	Research in Nursing
RELG	Religion

Spring Semester

NURS 420	Leadership and Client Care Management
NURS 450	Transitions and Trends in Nursing
PHIL	Philosophy
	Literature
	Fine Art

NURS 101. Introduction to Professional Nursing. 1 hr.

An introduction to the historical development and social forces that have brought nursing to its current status. Exploration of the profession of nursing including the Wesleyan philosophy and curriculum. *Prerequisite:* Nursing major or permission of instructor.

NURS 110. Foundations of Professional Nursing. **1 hr.**
An introduction to basic nursing knowledge organized around the concepts of humankind, environment, health, and nursing. *Prerequisite:* NURS 101 or permission of instructor.

NURS 220. Language and Principles of Nursing. **4 hrs.**
Theory, 3 hrs.; Clinical Experience, 1 hr.
Development of novice knowledge and skills in the art and science of nursing. Examination of the nursing process, health needs, and professional roles. Psychomotor skills are introduced. *Prerequisites:* NURS 101, 110; BIOL 151, 152.

NURS 222. Health Assessment. **3 hrs.**
Theory, 2 hrs.; Clinical Experience, 1 hr.
Emphasis is on the development of skills to complete a comprehensive health assessment. The nursing role of provider of care, incorporating advocate, counselor and teacher roles, is presented. Completing health history interviews and assessments and relating client data to anticipated normal findings and common deviations for each age group are emphasized. *Prerequisites:* NURS 101, 110; BIOL 151, 152.

NURS 225. Pharmacology and Drug Therapy. **3 hrs.**
Introduction to general principles of pharmacology and drug therapy, with emphasis on major drug classifications. Principles of pharmacodynamics and cultural, legal and ethical issues relating to drug therapy are presented. *Prerequisites:* NURS 220, 222 or permission of instructor; BIOL 151, 152; CHEM 105, 107. *Co-requisites:* CHEM 106,108; BIOL 220; NURS 240.

NURS 240. Nursing Care: Common Health Problems. **6 hrs.**
Theory, 4 hrs.; Clinical Experience, 2 hrs.
The application of the nursing process to clients experiencing common health problems with emphasis on adult health nursing. Experience in caring for adult clients in a variety of health care settings. *Prerequisites:* NURS 220, 222 or permission of instructor; BIOL 151, 152; CHEM 105, 107. *Co-requisites:* CHEM 106,108; BIOL 220; NURS 225.

NURS 320. Mental Health Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The use of therapeutic communication skills with clients experiencing psychological problems and disorders with emphasis on nursing care of clients with acute and chronic psychological problems across the life span. *Prerequisites:* All 200-level nursing courses and support courses except PSYC 235, which is co-requisite.

NURS 340. Nursing Care: Multiple Health Problems. **6 hrs.**
Theory, 4 hrs.; Clinical Experience, 2 hrs.
The application of the nursing process to clients experiencing multiple health problems, with emphasis on adult health nursing. Experience in caring for adult clients in a variety of health care settings. *Prerequisites:* All 200-level nursing courses and support courses except PSYC 235, which is co-requisite.

NURS 350. Nursing Care of Children. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
Emphasis is on the health care of children in various care settings using an amalgam of roles in helping the child/family meet their health care needs. *Prerequisites:* NURS 320, 340 and all support courses.

NURS 355. Nursing Care: Life-Threatening Health Problems. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.

The application of the nursing process with critically ill clients experiencing complex life-threatening health problems. Experience in caring for adult clients in a variety of health care settings. *Prerequisites:* NURS 320, 340 and all support courses.

NURS 360. Transition to Baccalaureate Nursing: Concepts. **2 hrs.**
Enrichment of the licensed nurse's prior learning and facilitation of role transition are emphasized. Personal values and beliefs about nursing are clarified. Nursing theories are explored. The nurse's beliefs about humankind, health, environment and nursing are discussed. *RN/BSN Distance Education course, open only to licensed nurses.*

NURS 410. Family Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The application of the nursing process with childbearing clients experiencing normal and complicated conditions. Includes health promotion of the childbearing family in various settings. *Prerequisites:* All 300-level nursing courses and all support courses.

NURS 420. Leadership and Client Care Management. **6 hrs.**
Theory, 2 hrs.; Clinical Experience, 4 hrs.
Development of the management knowledge and skills essential for planning, directing, and evaluating client care in the health care environment. Leadership experiences occur in various settings. *Satisfies advanced composition requirement for general studies. Prerequisites:* NURS 410, 440, and all support courses.

NURS 440. Community Health Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
A combination of public health science and nursing science to promote and maintain the health of the community. Clinical experiences are arranged in organized health agencies and communities. *Prerequisites:* All 300-level nursing courses and all support courses.

NURS 450. Transitions and Trends in Nursing. **2 hrs.**
Theory, 1 hr.; Laboratory, 1 hr.
An exploration of societal and professional trends and issues. The amalgam of nursing roles is analyzed to determine role performance. Focus is on professional development and role transition. Laboratory will be devoted to review for the RN licensure examination (NCLEX). *Prerequisites:* NURS 410, 440, and all support courses.

NURS 460. Research in Nursing. **2 hrs.**
An investigation of the research process as a scientific method of inquiry; application of quantitative and qualitative methods of nursing research to clinical practice. *Prerequisites:* All 300-level nursing courses and all support courses.

Philosophy

Professor: Bernard Keating

Associate Professor: Robert Hull

Philosophy is the love of wisdom. It is the attempt to provide a vision of the whole. Thus it is by nature interdisciplinary. The department teaches the history of thought, skill in dialogue, and respect for the truth, all of which help make a person better. Philosophical study is recommended both for its own sake and for the intelligence and sense of purpose it brings to professional life.

Requirements for Major

26 semester hours, including PHIL 101, 111, 201, 260; 230 or 270; 340, 460; 6 hours of electives.

Requirements for Minor

18 semester hours, including PHIL 101, 111, 201, 230; 6 hours of electives.

PHIL 101. Philosophy and the Examined Life. **3 hrs.**
Critical thinking about basic philosophical questions through analysis of readings in the sciences, literature, and the arts.

PHIL 105. Critical Thinking. **3 hrs.**
A practical, cross-disciplinary introduction to handling evidence: how to uncover, analyze, and evaluate arguments, and why that is important. Emphasis upon asking critical questions and upon typical fallacies, elementary probability, patterns of valid inference, induction, abduction, hypothesis testing and the "ethics" of belief.

PHIL 111. History of Philosophy I: The Classical Age to Descartes. **3 hrs.**
Representative readings from the Classical age through the Medievals. *Prerequisite:* One course in philosophy.

PHIL 121. Philosophy of Religion. **3 hrs.**
Critical thinking about problems in natural theology, religious experience, faith and reason, theodicy, the soul, afterlife, and the significance of religious language.

PHIL 130. Environmental Ethics. **3 hrs.**
An introduction to ethics and to important issues in environmental ethics. Among the issues addressed are: What are our obligations to non-human animals? Do we have an obligation to preserve resources for future generations? In what respects, if any, is concern for the environment a feminist issue?

PHIL 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PHIL 201. Logic. **3 hrs.**
An introduction to traditional syllogistic logic and to elements of modern symbolic logic with emphasis on improving the student's critical skills.

PHIL 211. Political Philosophy. **3 hrs.**
The philosophical study of the nature and good of politics. *May be credited toward a major or minor in political science. Prerequisite:* One course in philosophy.

PHIL 230. Ethics. **3 hrs.**
The philosophical study of such topics as the nature of obligation, character, practical reason, and the good for persons.

PHIL 260. History of Philosophy II: Descartes to Nietzsche. **3 hrs.**
Representative readings from Continental Rationalism, British Empiricism, and the Nineteenth Century. *Prerequisite:* One course in philosophy.

PHIL 270. History of Philosophy III: Twentieth Century Thought. **3 hrs.**
Representative readings from 1900 to the present. *Prerequisite:* One course in philosophy.

PHIL 340. Metaphysics and Epistemology. **3 hrs.**
Advanced course in problems in the theory of knowledge and metaphysics. *Prerequisites:* PHIL 201 and 260.

PHIL 460. Senior Essay. **2 hrs.**
Directed by departmental instructors, the student will write a philosophy paper and defend it before faculty and students. *Satisfies advanced composition requirement for general studies. Prerequisite:* Philosophy major.

Philosophy and Religion

Faculty in philosophy and religion offer an interdisciplinary major for students who have definite pre-theological plans.

Requirements for Major

36 semester hours approved by the student's faculty advisor, including a minimum of 12 semester hours from each discipline. Recommendations as to specific courses to be taken, depending on the student's interests and qualifications, include RELG 210 and 221; PHIL 111 and 201.

Physical Education and Health

Professor: Robert Braine

Associate Professors: George Klebez, James Smith

Assistant Professors: Jean Fruh, Jeremy Sibold

Instructor: Wanda Swiger

Lecturers: Siegfried Bleher, John Bohman, Kevin Boring, Michael Burch, Rae Emrick, Jennifer N. Hall, Tammie Hammon, Kimberly Jones, William King, Dennis Porter, Denton Quick, Jesse Skiles, Randall Tenney

The physical education and health program is designed to (1) provide instruction in leisure time skills; (2) contribute to the development of physical fitness; (3) prepare physical education and health teachers; (4) contribute to the physical and emotional well-being of students; (5) prepare students for careers in coaching, athletic training, and sports medicine; (6) provide accurate up-to-date information in areas of interpersonal relationships, coping strategies, sexuality, nutrition, medical care, health products and services, common diseases, environment factors and community health; (7) emphasize that health education should be an integral part of every student's education. Students seeking teacher certification must refer to special requirements listed in the Education section of this catalog. All majors are cautioned to observe the limit of 45 credit hours in physical education and health that may be counted toward graduation.

For requirements for major in athletic training, see page 35.

Requirements for Physical Education Major

General Major: 38-39 semester hours, including PHED 101 (swimming) or proficiency test, PHED 130, 140, 150, 201, 219, 220, 230, 251, 252, 320, 325, 345, 349.

Health Promotion/Fitness Management Concentration: 47 semester hours, including PHED 110, 130, 140, 150, 219, 220, 240, 305, 320, 325, 331, 332, 333, 338, 349; CHEM 105, 106, 107L, 108L; 450 clock hours of laboratory or clinical experience.

Requirements for Physical Education Minor

22 semester hours, including PHED 140, 150, 219, 220, 251, 320, 345.

PHED 101. Physical Education Activity. **1 hr.**

Fundamental rules, techniques and skills in any one of the following activities. *Team games:* basketball, volleyball, walleyball. *Individual sports:* golf, tennis, archery, bowling, swimming, racquetball, squash. *Dance activities:* aerobic dance, water aerobics, jazz dance. *Other activities:* tumbling and gymnastics, body building, Nautilus training, self defense, stress management, martial arts, jogging and yoga. *No more than four activity credits may count toward graduation.*

PHED 110. Exercise and Weight Control. **3 hrs.**
Identification of health and fitness status, suitable nutrition and exercise programs, calorie needs at various ages. Course entails both class work and physical activity.

PHED 130. Personal and Community Health. **2 hrs.**
An introductory course designed to help the student acquire the information, attitudes, and habits essential to healthful living. An introduction to disease prevention, sanitation, food regulations and supply, housing, etc.

PHED 140. First Aid and Safety. **3 hrs.**
A course designed to provide the student with the skills needed in the emergency care of the sick and injured, and to introduce the principles of safety and accident prevention.

PHED 150. Physical Education Major I. **4 hrs.**
Introduction to physical education, its various fields, qualifications and employment possibilities. Fitness activities, testing and evaluation. An in-depth study of personal fitness, track and field, swimming and dance with emphasis on physical education fundamentals, basic coaching, choice and care of equipment.

PHED 155. Introduction to Athletic Training. **1 hr.**
An introduction to the profession for prospective athletic training majors. The course examines the history of the profession, the roles and responsibilities of the certified athletic trainer, as well as educational preparation and employment opportunities. Students become familiar with the Wesleyan athletic training department through structured observation, a mentoring program, and related assignments.

PHED 160. Athletic Training I. **3 hrs.**
An introduction to the basic principles of prevention, evaluation, and management of athletic injuries. Topics covered include training and conditioning techniques, protective sports equipment, mechanisms and characteristics of sports trauma, tissue response to injury, environmental considerations, additional health conditions, and injuries to the foot, ankle, and lower leg. Requires a minimum of 40 hours of supervised clinical observation. *Prerequisites:* PHED 140, 155.

PHED 163. Athletic Training Taping Laboratory. **1 hr.**
Introduction to the basic principles of selection, fabrication, and application of preventative and protective taping, wrapping, splinting and bracing devices. *Pre- or co-requisite:* PHED 160.

PHED 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PHED 201. School Health. **3 hrs.**
Problems involved in school health programs including the organizational and educational aspects and personnel relationships involved in school health services, health education, and the school environment. Students will develop an understanding of safety and emergency care in the school setting.

PHED 211. Athletic Training Practicum I. **1 hr.**
Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 100 hours of structured clinical experience. Students assist with practice and game coverage for various Wesleyan sports, as well as coverage of general training room and/or health center/team physician observation. *Prerequisites:* Admission into the athletic training major, concurrent enrollment in PHED 213.

PHED 212. Athletic Training Practicum II. **1 hr.**
Continuation of PHED 211. Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 100 hours of structured clinical experience. *Prerequisites:* PHED 211, concurrent enrollment in PHED 214.

PHED 213. Clinical Techniques in Athletic Training I. 3 hrs.
In-depth study of the anatomical, physiological, pathological, and kinesiological processes related to athletic injuries. Emphasis will be placed on the introduction and practice of hands-on techniques of evaluation and assessment. Topics include head, face, chest, cardiovascular system, abdomen, respiratory system, illnesses, and vital signs. The course is designed to assist students in acquiring knowledge and skill competencies required for successful completion of CAAHEP-accredited undergraduate athletic training programs. Guest speakers. *Prerequisites:* Admission into the athletic training major, concurrent enrollment in PHED 211.

PHED 214. Clinical Techniques in Athletic Training II. 3 hrs.
Continuation of PHED 213, with in-depth study of athletic injuries to the lower extremity (hip, thigh, knee, lower leg, ankle, and foot) and during gait. *Prerequisites:* PHED 213 and concurrent enrollment in PHED 212.

PHED 219. Anatomy and Physiology I. 3 hrs.
The structure and function of the human organism. Major topics will include skeletal anatomy and function, muscular structure and function, the molecular basis of cell physiology, the cardiovascular system and the respiratory system.

PHED 220. Anatomy and Physiology II. 3 hrs.
A continuation of PHED 219 emphasizing the following systems: nervous, gastrointestinal, renal, endocrine and reproductive. *Prerequisite:* PHED 219.

PHED 230. Elementary Rhythms and Movement. 2 hrs.
An introduction to a study of basic movement skills, movement exploration, singing games, folk dancing, and social dancing, as they apply to the elementary physical education program. Emphasis on planning and conducting the activities.

PHED 240. Fundamentals of Human Nutrition. 3 hrs.
An introductory study of the individual nutrients in respect to digestion, absorption, metabolism, body needs and food sources. This information is applied through study of the life cycle.

PHED 251. Physical Education Major II. 3 hrs.
An in-depth study of touch football, soccer, volleyball and basketball with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* PHED 150.

PHED 252. Physical Education Major III. 3 hrs.
An in-depth study of racquetball, golf, softball and tennis with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* PHED 251.

PHED 260. Athletic Training II. 3 hrs.
Detailed discussion of athletic injury assessment, pathomechanics, management and prevention techniques. Sports participation-related injuries and illness involving the head and face, spine, knee, thigh, hip, groin, pelvis, shoulder, elbow, forearm, wrist, hand, thorax and abdomen will be presented. Additional topics will include psychology of sport injuries and dermatological problems in athletes. Guest speakers. *Prerequisite:* PHED 160.

PHED 261. Foundations of Sport and Exercise Psychology. 3 hrs.
Psychological effects and implicaions of participation in sport and exercise. Emphasizes personality and behavioral dynamics of sport, psychological changes associated with exercise, assessment in sport psychology and psychology of sport injury. *Prerequisite:* none; PSYC 101 recommended.

PHED 276. Therapeutic Modalities and Rehibilitation Techniques in Athletic Training I. 3 hrs.
Introduction to the clinical aspects and study of therapeutic modalities used in the treatment of athletic injuries. Students will gain hands-on experience with the various modalities (electrical stimulation, ultrasound, massage) currently used in athletic training. *Prerequisite:* PHED 160.

PHED 305. Advanced Human Nutrition. 3 hrs.

A study of human nutrition, including the chemistry of food nutrients, digestion, absorption, and metabolism. Principles of human nutrition applied to individual, family, community, and world problems. *Prerequisites:* PHED 240; BIOL 151, 152 or PHED 219, 220.

PHED 311. Athletic Training Practicum III. 1 hr.

Continuation of PHED 212. Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 150 hours of structured clinical experience. Students assist with practice and game coverage for various Wesleyan sports, as well as coverage of general training room. *Prerequisites:* PHED 212, concurrent enrollment in PHED 313.

PHED 312. Athletic Training Practicum IV. 1 hr.

Continuation of PHED 311. Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 150 hours of structured clinical experience. *Prerequisite:* PHED 311.

PHED 313. Clinical Techniques in Athletic Training III. 3 hrs.

Continuation of PHED 214, with in-depth study of athletic injuries to the upper extremity (shoulder complex, arm, elbow, forearm, wrist, and hand) and spine. *Prerequisites:* PHED 214, concurrent enrollment in PHED 311.

PHED 315. Health Education Seminar. 1 hr.

An in-depth study of selected issues in health education on the local, state, national, and international level.

PHED 320. Exercise Physiology. 3 hrs.

The physiological effects of exercise on the human body; areas of interest include concepts of physical fitness, fatigue, weight control, nutrition, environmental stresses and review of the latest research in human performance. *Prerequisites:* PHED 219, 220 or BIOL 151, 152.

PHED 325. Kinesiology. 3 hrs.

A study of the arthological, neurological and myological basis for human movement, including an introduction to the basics of movement and sport skill analysis. *Prerequisite:* PHED 320.

PHED 331. Laboratory Techniques in Adult Fitness I. 1 hr.

Practical experience in areas of fitness evaluation, prescription, and supervision. The development of basic techniques in a supervised setting. *Pass/Fail grading. Prerequisite:* PHED 220.

PHED 332. Laboratory Techniques in Adult Fitness II. 1 hr.

Continuation of PHED 331. *Pass/Fail grading. Prerequisite:* PHED 331.

PHED 333. Laboratory Techniques in Adult Fitness III. 1 hr.

Continuation of PHED 332. *Pass/Fail grading. Prerequisite:* PHED 332.

PHED 338. Exercise Testing and Prescription. 3 hrs.

A course designed to provide knowledge and experience in the field of graded exercise testing, exercise prescription and rehabilitation of persons with cardiovascular disease. *Prerequisite:* PHED 325.

PHED 345. Principles, Organization and Administration of Health, Physical Education and Athletics. 3 hrs.

A study of the problems confronting teachers, coaches, principals, and supervisors in physical education and athletic programs of the public schools. A development of the understanding of basic physical education and athletic principles on which decisions can be made relative to problems teachers and coaches may encounter.

PHED 349. Adapted Physical Education. 3 hrs.
A study of the adapted physical education program within the school curriculum with emphasis on development of individual programs for exceptional children.

PHED 352. Methods of Physical Education in Elementary Schools. 3 hrs.
This course is designed to help develop philosophy, objectives, activities, program-planning and evaluation for a functional and meaningful program in elementary school physical education. *Prerequisite:* Junior or senior standing.

PHED 353. Methods of Physical Education in Secondary Schools. 3 hrs.
Philosophy, objectives, activities, equipment, program-planning, measurement and evaluation procedures for a functional program in secondary school physical education. *Prerequisite:* Junior or senior standing.

PHED 357. Team Sports: Football. 3 hrs.
A clinical analysis of coaching football at the varsity level. The course is intended for future coaches; includes philosophy, code of ethics, rules, and skills of the game.

PHED 358. Team Sports: Basketball. 3 hrs.
A clinical analysis of coaching basketball at the varsity level. The course is intended for future coaches; includes philosophy, code of ethics, rules, and skills of the game.

PHED 372. Theraputic Modalities and Rehabilitation Techniques in Athletic Training II. 2 hrs.
A course designed to develop and enhance individual competencies necessary to plan and implement a comprehensive rehabilitation/reconditioning program for injuries/illnesses sustained by the competitive athlete. Students will develop skills related to performing orthopedic musculoskeletal and neurological evaluations and the integration of physical assessment into a comprehensive rehabilitation plan. The competencies are intended to stimulate further growth and development of the psychomotor, cognitive, and affective skills necessary to athletic training/physical therapy. *Prerequisites:* PHED 160, 260.

PHED 396. Athletic Training Clinical Internship. 1-3 hrs.
A structured clinical experience of at least 120 hours for the athletic training major. The student demonstrates the processes of thinking, feeling, and acting as a clinical athletic trainer and prepares for entry-level practice in a clinical physical therapy/athletic training setting. The internship may only be taken during the summer following sophomore or junior years. *Prerequisite:* PHED 214 or junior level standing in athletic training major.

PHED 401. Organization and Administration of Athletic Training Programs. 2 hrs.
Introduction to the basic organizational and administrative components of an athletic training program, including the planning, coordinating and supervision of services pertaining to health care service delivery (physical examinations and screenings, emergency care, follow-up care, referrals, insurance, liability and rehabilitation), financial management, training room management, personnel management, and public relations. Final preparation for the NATABOC examination will take place in this course. *Prerequisite:* Senior level standing in athletic training major.

PHED 403. Senior Seminar in Athletic Training I. 1 hr.
Developing basic skills in research methodology and scientific communication through the formation of a research question, review of the literature, and writing a paper. Written and oral presentations. *In combination with PHED 404, satisfies advanced composition requirement for general studies. Prerequisite:* Senior standing in athletic training major or permission of instructor.

PHED 404. Senior Seminar in Athletic Training II. 1 hr.
Continuation of PHED 403, including written and oral interpretation of research findings. Emphasis on analyzing the results of research studies and critically examining the applications of

those results. *In combination with PHED 403, satisfies advanced composition requirement for general studies. Prerequisite:* PHED 403 or permission of instructor.

PHED 411. Athletic Training Practicum V. **1 hr.**
Continuation of PHED 312. Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 150 hours of structured clinical experience. *Prerequisite:* PHED 312 or permission of instructor.

PHED 412. Athletic Training Practicum VI. **1 hr.**
Continuation of PHED 411. Under the direct supervision of an NATABOC certified athletic trainer/(ACI), the student will complete a minimum of 150 hours of structured clinical experience. *Prerequisite:* PHED 411 or permission of instructor.

PHED 480. Special Topics in Athletic Training. **1 hr.**
Discussion of current topics, issues and problems related to the field of athletic training to facilitate synthesis of classroom and practical experience. Topics will include ergogenic aids, pharmacology, female athlete triad, the disabled athlete, the pre-adolescent and adolescent athlete, counseling the injured or ill athlete, and holistic health care perspectives. Roundtable discussion format. Guest speakers. *Prerequisite:* Senior level standing in athletic training major.

Physical Sciences

Lecturer: Hugh Hefner

PHSC 110. Physical Science for Teachers. **3 hrs.**
A multidisciplinary introduction to the physical sciences for elementary education majors. Contains units on astronomy, chemistry, and geology. Lecture and laboratory.

PHSC 127. Geology. **3 hrs.**
An introduction to the scientific study of the natural aspects of the earth, including the geophysical processes that shape the earth, the structure and formation of rocks and minerals, and erosion and weathering. Lecture and laboratory.

Physics and Engineering

Professors: G. Albert Popson, Joseph Wiest

Lecturer: Andreas Halle

Wesleyan's programs in physics and engineering are multi-disciplinary and include the areas of physics, engineering, and astronomy. The B.S. in Engineering Physics prepares students to work in technological development and for graduate study in either engineering or physics. The B.S. in Physics prepares students for professional work in physics, either employment or graduate work. The B.A. in Physics and the physics minor are particularly valuable for students with interdisciplinary interests, and for students who wish to teach physics.

Requirements for Engineering Physics Major, Bachelor of Science Degree
82 semester hours, including PHYS 151, 152, 210, 211L, 220, 221L, 231, 232, 250, 251L, 305L, 309, 310, 320, 321L, 330, 331L, 340, 342, 345L, 360, 497, 498; CHEM 161, 163L, CSCI 230; MATH 161, 162, 223, 230, 301; one course from CSCI 320, MATH 310, 330; two courses from CSCI 220, PHYS 260, 350, 375, 388. Engineering physics majors may count up to 52 hours of physics and engineering courses toward the 120 hours required for graduation.

Requirements for Physics Major, Bachelor of Science Degree

67 semester hours, including PHYS 151, 152, 210, 211L, 220, 221L, 250, 251L, 305L, 310, 320, 321L, 330, 331L, 340, 342, 360, 497, 498; CHEM 161, 163L; CSCI 230; MATH 161, 162, 223, 230, 301.

Requirements for Physics Major, Bachelor of Arts Degree

46 semester hours, including PHYS 151, 152, 210, 211L, 220, 221L, 250, 251L, 310, 330, 331L, 360, 497, 498; MATH 161, 162, 223, 230.

Requirements for Physics Minor

16 semester hours of physics from the above list of courses applicable to the B.A. in physics.

PHYS 103. Discovering Physics as a Liberal Art. **3 hrs.**
A liberal arts course in physics intended for nonscientists. The course presents physics as a human endeavor underlying the major technological advancements of the twentieth century. Topics include the scientific method, motion, energy, heat, light, relativity, the atom, fission and fusion. No prior knowledge of physics is assumed, and one credit of high school algebra is required. Lecture and laboratory. *Usually offered every fall semester.*

PHYS 131. Astronomy I. **3 hrs.**
A study of the structure and origin of the solar system including historical views, comparing the planets and their satellites, and solar system formation. Lecture and laboratory.

PHYS 132. Astronomy II. **3 hrs.**
A study of the sun, the life and death of a star, the interstellar medium, galaxies, and both the past and future of the universe. Lecture and laboratory.

PHYS 151. General Physics I. **4 hrs.**
An introductory course in mechanics, heat, sound, electricity, magnetism, light, and modern physics. Lecture and laboratory. *Prerequisite:* Official math placement or permission of instructor.

PHYS 152. General Physics II. **4 hrs.**
Continuation of PHYS 151. *Prerequisite:* PHYS 151.

PHYS 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PHYS 210. Light and Atomic Physics. **3 hrs.**
Kinetic theory, charged subatomic particles, atomic interactions with radiation, photon mechanics, relativity, Bohr theory, quantum mechanics. *Prerequisite:* PHYS 152. *Pre- or co-requisite:* MATH 161.

PHYS 211L. Light and Atomic Physics Laboratory. **1 hr.**
Experiments in physical optics, atomic absorption and emission of light, microwaves, the ratio of electronic charge to mass, x-rays and crystal structure, the cloud chamber, nuclear magnetic resonance. *Co-requisite:* PHYS 210.

PHYS 220. Nuclear Physics. **3 hrs.**
Particle accelerators, detection of charged particles, the neutron, nuclear stability, nuclear reactions, nuclear forces, the shell model, beta decay, particle physics. *Prerequisite:* PHYS 210. *Pre- or co-requisite:* MATH 162.

PHYS 221L. Nuclear Physics Laboratory. **1 hr.**
Experiments in detecting charged particles, neutrons, and gamma rays. Counting statistics, radiation shielding, stopping power, scintillation counters, semiconductor detectors, the

multichannel analyzer, time of flight techniques, analysis of bubble chamber photographs, detection electronics. *Co-requisite:* PHYS 220.

PHYS 231. Engineering Design I. **1 hr.**

The task of engineering design, which introduces the formulation of the problem, creative approaches to designing a solution, analysis, and economics. Students will complete a design project from conception to final product. *Prerequisite:* PHYS 152.

PHYS 232. Engineering Design II. **1 hr.**

A continuation of Engineering Desing I. *Prerequisite:* PHYS 231.

PHYS 250. Electronics. **3 hrs.**

Topics in DC and AC circuits. Semiconductor devices, rectifiers, amplifiers, and oscillators. *Prerequisite:* PHYS 152. *Pre- or co-requisite:* MATH 162.

PHYS 251L. Electronics Lab. **1 hr.**

Multimeters and oscilloscopes, Thevenin's Theorum, Fourier synthesis, Lissajous figures, timing circuits, transient and steady-state responses, transducers, diodes, transistors, and operational amplifiers. *Co-requisite:* PHYS 250.

PHYS 260. Digital Electronics. **3 hrs.**

Representation of digital information, logic networks, integrated circuit technology, microprocessors. *Prerequisite:* PHY 152.

PHYS 261L. Digital Electronics Lab. **1 hr.**

Logic circuits, number systems, adders, Boolean algebra, comparators, multiplexers, multivibrators, memories, shift registers, and analog-to-digital conversion. *Co-requisite:* PHYS 260.

PHYS 305L. Electro-Optics Laboratory. **1 hr.**

Measurements in modern optics involving electromagnetic theory. Experiments include the Kerr effect, electron beam optics, fiber-optics wave guides, the monochromator, the ruby laser, nonlinear optics, the nitrogen laser, the tunable dye laser, and atomic excitation using lasers. *Prerequisites:* PHYS 210, 211.

PHYS 309. Engineering Mechanics. **3 hrs.**

Moments, couples, equivalent force systems, distributed force systems. Free body diagrams, equilibrium, static indeterminacy, friction. Application of motion and forces to engineering systems. *Prerequisites:* PHYS 210, MATH 230.

PHYS 310. Analytical Mechanics. **3 hrs.**

Newtonian mechanics, linear oscillations, Lagrangian and Hamiltonian dynamics, central forces, dynamics of rigid bodies. *Prerequisites:* PHYS 152, MATH 230.

PHYS 320. Materials Science. **3 hrs.**

Crystal structure and defects, stress and strain, theories of hardness and fracture, metallurgy. *Prerequisite:* PHYS 210.

PHYS 321L. Materials Science Laboratory. **1 hr.**

Crystal structure, Young's modulus, shear modulus, polymers, elastomers, visible spectrophotomery, porosity, phase diagrams, viscosity, heat treatment. *Co-requisite:* PHYS 320.

PHYS 330. Solid State Physics. **3 hrs.**

Thermal, optical, and electronic properties of solids. Metals, insulators, and semiconductors. Magnetic resonance and superconductivity. *Prerequisites:* PHYS 210, MATH 162.

PHYS 331L. Solid State Laboratory. **1 hr.**

Impurities in semiconductors, x-ray spectrometry, the Hall effect, magnetic resonance, Mossbauer spectrometry, hysteresis, superconductivity. *Co-requisite:* PHYS 330.

PHYS 340. Engineering Thermodynamics. **3 hrs.**
The first and second laws of thermodynamics, reversibility, PVT surfaces, non-ideal gases, enthalpy, entropy, heat engines, heat pumps, the Carnot cycle, efficiency, Maxwell's relations, heat flow, thermodynamic systems. *Prerequisites:* PHYS 152, MATH 162.

PHYS 342. Quantum Mechanics. **3 hrs.**
Solutions to the Schroedinger equation, the Heisenberg uncertainty principle, step potentials, tunneling, potential wells, harmonic oscillators, the hydrogen atom, approximation methods. *Prerequisites:* PHYS 210, MATH 230.

PHYS 345L. Engineering Measurements Laboratory. **1 hr.**
Analysis of the internal combustion engine, fluid analysis, strain gauges, heat engines. *Prerequisite:* PHYS 152.

PHYS 350. Fluid Mechanics. **3 hrs.**
The Bernouilli equation, momentum equations, potential flows, viscosity, streamlines, supersonic flow, open channels, turbo machines, the Navier-Stokes equation. *Prerequisite:* PHYS 152. *Pre- or co-requisite:* MATH 230.

PHYS 360. Electromagnetic Theory. **3 hrs.**
Vector analysis of electric and magnetic fields, the solution to Laplace's equation in spherical and cylindrical coordinates, electrostatic images, polarization, dielectrics, electrostatic and magnetic energy, electric current, the Biot-Savart law, electromagnetic induction, Kirchhoff's laws, Maxwell's equations, electromagnetic waves. *Prerequisites:* PHYS 152, MATH 230.

PHYS 375. Heat Transfer. **3 hrs.**
Conduction in rectangular and polar coordinates. Free and forced convection. Black and gray radiators. Steady-state and transient analysis. *Prerequisites:* PHYS 152, MATH 230.

PHYS 497. Research Seminar I. **1 hr.**
A study of the writing style for a scientific research paper. Researching scientific journals. Students will write a research paper based on a literature search. *In combination with PHYS 498, satisfies advanced composition requirement for general studies. Prerequisite:* Major in physics or engineering physics.

PHYS 498. Research Seminar II. **1 hr.**
Continuation of PHYS 497. Students will conduct experimental research and present results in a research paper and an oral presentation. *In combination with PHYS 497, satisfies advanced composition requirement for general studies. Prerequisite:* PHYS 497.

Political Science

Professor: Robert Rupp

Associate Professor: Kwame Boateng

Assistant Professor: Lisa McLeod-Simmons

The undergraduate degree in political science provides a suitable foundation for the student who wishes to obtain an advanced degree in political science, public administration, and other disciplines within the social sciences. The pursuit of a future degree in law is another frequent goal of the undergraduate major.

The degree in political science can lead to employment opportunities in government service on all levels, including the diplomatic service; in research organizations; in social advocacy and lobbying programs; in journalism and specialized writing and editing; in full-time professional campaign organizations; as well as to the holding of elective or appointive office.

Requirements for Major

34 semester hours, including POLS 101, 120, 201; 202 or 305; 210 or 220; 331 or 332; one course from: 225, 232, 347, or 353; one course from: 240, 320, 325, or 350; 6 hours of electives (including one 3-hour elective at the 300 level or above); 497 and 498.

Requirements for Minor

15 semester hours.

POLS 101. American National Government. 3 hrs.

An introductory study of the development, powers, organizations, and processes of American national government, focusing on the structures and functions of the institution, political parties and interest groups, and citizen participation in these structures.

POLS 120. Introduction to Political Science. 3 hrs.

A general introduction to the study of the sub-fields of political science, governments and nations, and the fundamental concepts, ideas, and issues in world politics, including the role of the United Nations and international law.

POLS 188, 288, 388, 488. Special Topics. 1-3 hrs.

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

POLS 201. Political Science Methodology. 3 hrs.

Following an overview of the perspectives from which political science is studied, broadly identifying the sub-fields of the discipline, the course's major focus will be on the nature, character, and functions of research design, including the techniques of and approaches to qualitative and quantitative analysis of political problems and events, scientific data collection, and specific methods of analysis.

POLS 202. State and Local Government. 3 hrs.

A comparative analysis of governments on the local, county, and state levels in the United States, and their interrelationship in the American Federal System.

POLS 210 (also HIST 210). Parties and Elections. 3 hrs.

A description and critical analysis of the American political process, focusing on the formation of political beliefs, the development of political parties, and trends in recent electioneering practices.

POLS 215. Constitutional Law. 3 hrs.

A course in the legal principles of the Constitution of the United States as interpreted by the courts. The case method is used.

POLS 220. The American Presidency. 3 hrs.

An examination of the American presidency and those individuals who shaped its evolution. The problems and issues raised as the institution developed will be studied within a biographical and historical framework, and consideration will be given to social science perspectives on the place and role of the presidency as it reflects and affects American society and values.

POLS 225. Model United Nations. 3 hrs.

A brief history of the formation of the United Nations; discussions of the six principal organs and some of the other bodies of the United Nations system and their functions. The major part of the course focuses on the preparation of students to participate as delegates in a model United Nations General Assembly or Security Council meeting and/or any of its committees or commissions.

POLS 230. Women and Politics. 3 hrs.
An in-depth examination of the scholarship on women as political leaders and political participants, as well as an assessment of contemporary policy concerns that affect women.

POLS 231. American Foreign Policy (also HST 231). 3 hrs.
A study of the formulation and execution of American foreign policy from 1787. Emphasis will be on a case study-based examination of decision making and use of military force.

POLS 232. International Relations. 3 hrs.
Theory of international relations; basic factors affecting the position and policies of states, such as geography and demography; nationalism; imperialism; technological and economic factors; conflicting ideologies; instruments of foreign policy, such as diplomacy, propaganda, military power and economic and military assistance; international law and international organization.

POLS 240. African Politics. 3 hrs.
A study of the ancient and recent evolution and current political environment of African nations. Examination of both historical processes of political change and development and contemporary political institutions, practices, and policies. Attention to colonial era, post-independence states and their intergovernmental relations.

POLS 305. West Virginia Politics. 3 hrs.
An intensive study of the governmental and political institutions and processes of West Virginia. Emphasis on the functions and interrelations of the branches of government, political parties and interest groups, and the state-local relationship.

POLS 320. Comparative Developed States. 3 hrs.
A comparative examination of government and politics in selected countries and areas which are generally considered to have high levels of political and economic development, such as the United Kingdom, France, Germany, and Japan.

POLS 325. Comparative Developing States. 3 hrs.
A comparative examination of the institutions and processes of government and society in selected developing countries and areas, such as India, Southeast Asia, Africa and Latin America.

POLS 328. Environmental Law. 3 hrs.
A course tracing the development of environmental law, examining the different areas of environmental law (e.g., wilderness conservation, air and water quality, mining), and analyzing relevant federal and state level court opinions.

POLS 331. Classical Political Theory 3 hrs.
Reading, discussion and analysis of selected political and social theories in ancient times.

POLS 332. Modern Political Theory 3 hrs.
Continuation of POLS 331, covering the modern period.

POLS 347. Human Rights. 3 hrs.
The concept of human rights and its practice in various nation-states. Particular attention is given to prevailing concepts, institutions, problems, laws, and norms for the promotion and protection of human rights in the world today, including the rights of indigenous people, women and children.

POLS 350. Contemporary International Issues. 3 hrs.
Analysis of current international events. Exploration of contemporary conflicts and other international events with political implications.

POLS 353. International Law. 3 hrs.
The nature and development of international law and compliance with it. Particular attention to the function of international law in the context of international conflict.

POLS 497. Senior Seminar. **3 hrs.**
Advanced readings, discussion, and use of primary and secondary materials to write and present orally a major research paper. Methods will include the use of numeric data, speeches, and official government records. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior political science major or permission of instructor.

POLS 498. Senior Comprehensive Examination. **1 hr.**
Review and written and/or oral examination covering several areas in the discipline of political science.

Psychology and Human Services

Professor: Richard Calef

Associate Professors: Ruth Calef, Michael Choban, Katherine Glenney

Instructor: Michael Kuba

It is the purpose of the Psychology and Human Services program to aid students in understanding themselves and others through the perspective of scientific study in psychology. It provides basic mastery of content appropriate to the undergraduate level and a thorough grounding in the scientific method. Two majors are offered. In most cases, students should select their major by the first semester of their sophomore year.

The Psychology major is offered for students who seek a thorough foundation in the discipline as preparation for a psychology graduate or other professional study (e.g. Law School, Medical School).

The Human Services major is offered for students who seek a solid general foundation in psychology and want to work in human services or pursue a graduate degree in fields such as social work, rehabilitation, and related areas.

Requirements for Major in Psychology
37 semester hours, including PSYC 101, 209, 215, 230, 245, 301, 304, 320, 330, 340, 397, 497. Students may earn up to six credits in readings in psychology, which are done through independent study. *Students must earn a 3.0 cumulative grade point average in PSYC 101, 215, and 230 to continue in the Psychology major.*

Requirements for Minor in Psychology
15 semester hours, including PSYC 101.

Requirements for Major in Human Services
31 semester hours, including PSYC 101, 209, 211, 220, 225, 245, 330, 451, 452; six hours of electives. Students may earn three credits in readings in human services, which are done through independent study. Students may wish to consider a minor or second major in Sociology or Criminal Justice.

PSYC 101. General Psychology. **3 hrs.**
A survey of basic concepts in psychology including physiological mechanisms, learning, personality, abnormal behavior and psychotherapy, development, social processes and intelligence.

PSYC 126. Addictions and Recoveries. **3 hrs.**
Exploration of addictive substances and addictive behaviors and their impact on the individual, the family and society. Includes signs and symptoms, assessment, treatment, and recovery processes.

PSYC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PSYC 205. Business and Industrial Psychology. **3 hrs.**
Designed to help students understand, appreciate and apply basic behavioral theories and principles relevant to human behavior in business and industrial settings. Appropriate for students in business and may be credited as a business elective where applicable. *Prerequisite:* PSYC 101.

PSYC 209. Behavior Modification. **3 hrs.**
The application of the learning and motivation principles of Skinner, Pavlov, Hull and Wolpe to abnormal psychology, mental retardation, education, industry and life in general. Beneficial to people who wish to pursue some avenue of counseling, or plan to work in hospitals or clinics. *Prerequisite:* PSYC 101.

PSYC 211. Psychological Experimentation. **3 hrs.**
An introduction to methodology in psychological experimentation. Students will gain experience in conducting a research project and presenting results of their study. Human Services curriculum. *Prerequisite:* PSYC 101.

PSYC 215. Advanced Experimental Psychology. **4 hrs.**
An introduction to experimental methods in psychology emphasizing practice in formulating and investigating research problems, applying scientific method in a laboratory setting and developing skill in presenting scientific reports. Experience in literature review and application of the computer to research data. *Prerequisites:* PSYC 209, 230.

PSYC 220. Introduction to Human Services. **3 hrs.**
An introduction to counseling and human services featuring interviewing, interpersonal effectiveness skills in the environment of social services, stress management skills, and ethical issues. *Prerequisite:* PSYC 101.

PSYC 225. Introductory Statistics for Social Sciences. **3 hrs.**
An introduction to commonly encountered statistical concepts and techniques, with an emphasis on practical application and interpretation. Includes descriptive and inferential statistics needed to address problems frequently found in a variety of work settings and use of computer applications for solution of such problems. *Prerequisite:* PSYC 101. *Students may not receive credit for both PSYC 225 and MATH 115.*

PSYC 230. Statistics and Methodology in the Behavioral Sciences. **4 hrs.**
Components of research design, scales of measurement, descriptive statistics, probability, and inferential statistics with emphasis on relating statistical techniques to general strategies of research in the social sciences. Includes a computer laboratory. *Prerequisite:* PSYC 101.

PSYC 235. Developmental Psychology I. **3 hrs.**
A chronological survey of major developmental issues and tasks from conception through middle childhood. Application of theory and research to issues confronted by health and human services practitioners, educators, and parents. *Prerequisite:* PSYC 101.

PSYC 236. Developmental Psychology II. **3 hrs.**
A chronological survey of major developmental issues and tasks from adolescence to death. Application of theory and research to issues confronted by health and human services practitioners and by the children of aging parents. *Prerequisite:* PSYC 101.

PSYC 240. Laboratory in Developmental Psychology I. **1-2 hrs.**
Students work with children individually and in groups at the Child Development Center, planning and implementing age-appropriate activities under supervision of the director of the Center. *Pre- or co-requisite:* PSYC 235.

PSYC 243. Psychopathology of Childhood. **3 hrs.**
A broad overview of the different types or classifications of "abnormal" behavior occurring in childhood according to the Diagnostic and Statistical Manual of Mental Disorders system. Also discussed will be the application of theory and research to issues confronted by social service providers, educators, and parents. *Prerequisite:* PSYC 101.

PSYC 245. Theories of Personality and Psychotherapy. **3 hrs.**
A survey of major contemporary theoretical approaches to understanding personality. Applications of and research to support each theory are presented in readings and demonstrations. The course may be of interest to students who are considering careers in clinical, counseling or school psychology, psychiatry, social work, guidance, or pastoral counseling. *Prerequisite:* PSYC 101.

PSYC 250. Laboratory in Academic Peer Counseling. **1 hr.**
Students work with academically at-risk freshmen to plan and implement appropriate study and time management strategies, discuss academic concerns, monitor class attendance. Documentation of activities; supervision by psychology department faculty. *Prerequisites:* PSYC 220 or 245 with a grade of B or better and instructor's permission. *May be taken for credit twice, in different semesters.*

PSYC 255. Laboratory in Psychological Experimentation I. **2 hrs.**
Directed participation in experimental procedures including literature review and experiment preparation. *Prerequisite:* PSYC 211.

PSYC 256. Laboratory in Psychological Experimentation II. **2 hrs.**
Participation in experimental project, including experience with data compilation, preparation of abstracts and oral presentation of results. *Prerequisite:* PSYC 255.

PSYC 260. Field Experience: Working with the Elderly. **1 hr.**
Students work with the elderly individually and in groups in a hospital nursing care setting or similar work site, planning and implementing appropriate activities under the supervision of the director/staff of the nursing care facility. *Pre- or co-requisite:* PSYC 236.

PSYC 301. Social Psychology. **3 hrs.**
A survey of theory and research regarding social influences on individual behavior and the application of these findings to selected social issues. Lectures and discussion. *Prerequisite:* PSYC 101.

PSYC 304. Learning and Behavior Analysis. **4 hrs.**
A survey of the concepts, research methods and principles of learning and behavior analysis, with a primary focus on contemporary investigations of human and animal learning. Historical antecedents of principles, theories and methods are reviewed insofar as they are important to the understanding of contemporary issues. Includes laboratory exercises and use of computer for data analysis. *Prerequisite:* PSYC 101, junior or senior standing.

PSYC 320. Abnormal Psychology. **3 hrs.**
A broad overview of the various types or classifications of "abnormal" behavior according to the DSM system. Also discussed will be the application of theory and research to issues confronted by social service providers, educators, and parents. *Prerequisite:* PSYC 101.

PSYC 330. Psychological Tests and Measurements. **3 hrs.**
Psychometric properties of tests; theoretical background and practical application of some of the most commonly used psychological tests of intelligence and personality. *Prerequisites:* PSYC 225 or 230 and junior or senior standing.

PSYC 340. Biological Psychology. **3 hrs.**
Structure and function of the nervous, sensory and muscular systems; their roles in emotion, motivation, learning and behavioral disorders; regulatory mechanisms and effects of drugs and environmental agents on functioning. *Prerequisite:* PSYC 101.

PSYC 397. Thesis in Psychology I. **2 hrs.**
Required of junior Psychology majors. Students will gain experience in reviewing the literature on a specific research topic in experimental psychology and designing an experiment based on the previous research. *In combination with PSYC 497, satisfies advanced composition requirement for general studies. Prerequisite:* PSYC 215. *Offered every spring semester.*

PSYC 451. Practicum in Human Services I. **2 hrs.**
Practical internship experience in a supervised clinical setting, including planning and delivery of services, documentation and presentation of outcome. Supervised by psychology department faculty and field supervisors at practicum site. Campus and off-campus placements available; learning objectives and activities drawn from previous course content. *In combination with PSYC 452, satisfies advanced composition requirement for general studies. Prerequisites:* PSYC 209; 211 or 215; 220, 225, 245; senior status or permission of instructor. *Psychology majors may enroll only with permission of the department chair.*

PSYC 452. Practicum in Human Services II. **2 hrs.**
Continuation of PSYC 451. *In combination with PSYC 451, satisfies advanced composition requirement for general studies. Prerequisite:* PSYC 451.

PSYC 497. Thesis in Psychology II. **2 hrs.**
Continuation of PSYC 397. Students are given the experience of conducting laboratory research on topic reviewed in PSYC 397, analyzing the data and using APA standards in writing the lab report associated with the experiment. Students will also be required to present an oral defense of their research project. *In combination with PSYC 397, satisfies advanced composition requirement for general studies. Prerequisite:* PSYC 397. *Offered every fall semester.*

Public Relations

See Communication for description of major program.

Religion

Professor Emeritus: Kenneth Welliver

Professor: Arthur Holmes, *Workman Professor of Religion*

Assistant Professor: Vicki Phillips

The study of religion is a study of traditions, commitments and some of the most important human questions. It encompasses scriptural foundations, historical development, theological reflection and social-cultural expression. In keeping with the tradition of the College, the study of Christianity receives particular attention, but attention is also given to other religions in the global community.

The major or minor is appropriate for persons preparing for further theological study and church-related vocations. It also recommends itself to students interested in pursuing studies which emphasize questions of meaning and mystery in human experience and which encourage the development of historical perspective and the critical habit of mind characteristic of the humanities.

Students in religion are encouraged to consider the study of New Testament Greek (see page 91) or other languages.

Requirements for Major

24 semester hours beyond REGL 110, including RELG 205; either 221 or 222; one course selected from 210, 212, 214, and 305; either 240 or 245; either 330 or 335; 9

hours of electives. Students anticipating a major should elect RELG 101, 110, or 221 as their initial course. Seniors must complete a comprehensive examination.

Requirements for Minor

15 semester hours.

RELG 101. Introduction to the Bible. 3 hrs.
An introductory study of the Biblical literature, its origin in the Jewish and Christian communities, and the literary and cultural developments involved in its emergence as the norm of faith for those communities.

RELG 110. Introduction to Religion. 3 hrs.
An introduction to religious questions of basic belief, behavior, and value commitment, and to religious dialogue in the plural world community.

RELG 115. Christian Ethics. 3 hrs.
Ethical issues in the Christian tradition, with attention to the sources of the tradition and to various moral theories; application to cases in both personal conduct and in society.

RELG 120. Religion in America. 3 hrs.
An introduction to the history of religion in America through the study of selected readings on the meaning of the American experience.

RELG 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

RELG 205. The Christian Tradition. 3 hrs.
A study of ideas and movements in Christianity; selected thinkers in the early, medieval and reformation periods; Catholic and Reformation thought in the modern world.

RELG 208. United Methodist Heritage. 3 hrs.
A solid historical orientation on the development of The United Methodist Church, its roots and constituent parts. *Prerequisite:* One course in religion.

RELG 210. Basic Christian Faith. 3 hrs.
An introductory study of basic elements of Christian theology. Emphasis is placed on the situation and interpretation of the Christian faith in the modern world.

RELG 212. Issues in Feminist Theology. 3 hrs.
An introduction to recent studies in theology that will focus on the significance of the Gospel as read in the context of American women's experience.

RELG 214. Issues in Environmental Theology. 3 hrs.
A study of issues related to environmental theology, such as ecological responsibility, humankind's place in creation, God's love, Christology, and the suffering of creation and hope of new creation.

RELG 221. Old Testament Studies I. 3 hrs.
The religion of Israel in historical perspective during the pre-exilic period, with emphasis upon the prophets.

RELG 222. Old Testament Studies II. 3 hrs.
Selected groups of Old Testament writings—prophets, psalms, wisdom and apocalyptic literature—beginning at the time of the exile.

RELG 240. Judaism and Islam. 3 hrs.
A historical study of Judaism and Islam against the background of other Near Eastern religions, such as Zoroastrianism and Christianity; consideration of current expressions of faith and practice.

RELG 245. Hinduism and Buddhism. **3 hrs.**
A historical study of the faith and practice of Hinduism and Buddhism, with consideration of other Asian religious traditions alongside which these have developed.

RELG 305. Modern Christian Thought. **3 hrs.**
An introduction to contemporary Christian thinkers, theological questions and movements. *Prerequisite:* One course in religion.

RELG 310. Major Religious Thinkers. **3 hrs.**
A study of the history of religious thought through representative individuals or periods of historical importance. *Prerequisite:* One course in religion.

RELG 330. Jesus in the Gospels. **3 hrs.**
The mission and message of Jesus as presented in the Synoptic Gospels; methods of interpretation.

RELG 335. Paul and the Early Church. **3 hrs.**
A study of early Christian literature, with special focus on the Pauline letters.

Sociology

Professor: John Warner

Assistant Professor: John Toth

Lecturer: Amelia Clark, Sheryl Havernewbrough

The study of sociology and anthropology assists students in developing their understanding of the general character of human relationships and the dynamic interaction between persons and social roles and social structures. Faculty members take a special interest in the issues of freedom and oppression, of human rights and those social structures that inhibit those rights.

Requirements for Sociology Major

32 semester hours including SOCI 101, 110, 345, 378, 420; 12 hours of sociology electives; ECON 110; either BUSI 332 or CHED 240.

Majors must take either MATH 115 or PSYC 225 before SOCI 345.

Requirements for Sociology Minor

15 semester hours, including SOCI 101 and 378.

SOCI 101. Principles of Sociology. **3 hrs.**
Introduction to the sociological perspective, the traditions, concepts and methods of social inquiry. Examination of society's highly structured organizational and institutional life; the dynamic relationship between person, role and social structure; collective behavior, socialization, culture, conflict and change. The value of human freedom and the structures that restrict it.

SOCI 110. Introduction to Anthropology. **3 hrs.**
An investigation into human differences and similarities through time and space and an examination of the interaction of biological, cultural and ecological factors in the development of humans and their extremely diverse life styles. Archaeology, linguistics, physical anthropology and cultural anthropology are introduced together with topics such as marriage, kinship, economic systems, political organization, subsistence systems, technology, religions and cultural change.

SOCI 145. Criminology. 3 hrs.
A study of the types and causes of crime, methods of prevention, punishment and rehabilitation, and the administration of criminal justice. Includes a special section on rural crime.

SOCI 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

SOCI 210. Appalachian Studies. 3 hrs.
A study of a rural region that includes discussion of the role of coal in the life of the region, poverty, community life, migration, folk arts and crafts, and social change.

SOCI 215. Cultural Anthropology. 3 hrs.
A study of the various branches, history, scope, and organization of culture. The growth of culture, theories, universals, material culture, economic organization, social and political organization, social control, world view, linguistics, and the relation of culture to the individual. *Prerequisite:* SOCI 110 or permission of instructor.

SOCI 220. The Family in Transition. 3 hrs.
A study of the contemporary institution of the family in an international context. Diverse family patterns, structures, and functions and male and female roles, with emphasis on the family's responsiveness to change. The impact of increasing longevity, divorce rates, economic recession, and participation of women in the work force.

SOCI 221. Sociology Through Film. 3 hrs.
A study of the social, cultural, and historical issues associated with the production, distribution, and screening of feature films. The course uses films as windows into society in order to explore select sociological concepts and theories, including gender feminist thought, and social change. Students will view contemporary and classic films and be encouraged to act as "strangers" in a new culture, to learn and analyze the social world through its films.

SOCI 235. Perspectives on Aging. 3 hrs.
Multidisciplinary perspectives and diverse theories on aging. Cross-cultural (international) comparison of gerontological issues and current trends, with main focus on the contemporary American scene. Emphasis upon personal, national and international preparation for productive aging. *Prerequisite:* SOCI 101 or permission of instructor.

SOCI 240. Juvenile Delinquency. 3 hrs.
A survey of the causes, theoretical explanations, and methods of prevention and "treatment" of juvenile delinquency; public attitudes toward juvenile delinquency and the history of the juvenile justice system in America.

SOCI 243. American Minority Groups. 3 hrs.
A study of the experiences of racial and ethnic minority groups in America during the hundred years after the Civil War, when America was becoming increasingly urbanized. Among the topics studies are African American office-holding during the Reconstruction, white conflicts with Indians, the experience of Asian Americans, and Jim Crow segregation and black voting rights in the 1950s and 1960s.

SOCI 250. Social Problems and Social Services. 3 hrs.
A study of social problems and related issues and trends with a critical emphasis on current policies, services, and programs designed as problem-resolution efforts. Social welfare as an institution is introduced in the broad context of industrialization and social change.

SOCI 301. Archaeology. 3 hrs.
An introduction to a scientific technique for the removal from the earth of cultural evidence concerning the activities and works of man in the past, including identification, preservation, and interpretation of such material. *Prerequisite:* SOCI 110 or permission of instructor.

SOCI 305. Global Minorities. **3 hrs.**
A study of selected racial and ethnic minorities in Africa, the Middle East, the former U.S.S.R., Latin America, and Europe. Major theories of racial conflict and interracial tensions throughout the world; methods of reducing tensions and working toward pluralism, assimilation or integration.

SOCI 307. The Holocaust. **3 hrs.**
Six million Jews were annihilated in Europe between 1933 and 1945. Students will seek to understand why this holocaust occurred by using historical, sociological, and theological approaches to understanding what happened. Students will also study the response made by Jews in the face of devastation.

SOCI 310. Adolescent World. **3 hrs.**
An exploration of youth culture in North American society, including significant contemporary expressions of youth culture in music, at-risk and violent behavior, peer groupings and Internet environments. The course will include development and generational theory and consider variations of youth culture across ethnic, economic and geographic boundaries.

SOCI 315. Arabs and the Middle East. **3 hrs.**
Historic and sociological perspectives on the Middle East, including dynasties and empires, Islam and its sects, the invasion by Western nations, the growth of Arab nationalism, the collapse of the Ottoman Empire and the carving up of the Levant, the emergence of Zionism and the conflict between Palestinians and the nation of Israel, the role of Britain and the United States in the region, the chaos in Lebanon, and the Iran-Iraq war.

SOCI 345. Research Methods in the Social Sciences. **3 hrs.**
A course focusing on scientific investigation and the design of program and practice research in the field of social science, with attention to the use of both qualitative and quantitative methods, the appropriate use of statistics, and a working knowledge of selected computer programs. *Prerequisites:* SOCI 101, six additional hours in sociology; MATH 115 or PSYC 225.

SOCI 355. Sociology of Change and Development. **3 hrs.**
Overview of approaches to development and the process of planned social change, with emphasis on participatory roles (including contributions of women, the elderly, and the disabled), as well as indigenous cultural values and social policy. Critical examination and comparison of selected case studies from developed and developing countries. *Prerequisite:* SOCI 101.

SOCI 378. Social Theory. **3 hrs.**
A review of the major sociological theorists and schools of thought from Comte to Ethnomethodology and Critical Theory. *Prerequisites:* SOCI 101 plus nine hours in the department.

SOCI 420. Senior Sociology Seminar. **2 hrs.**
Students will write and present orally a major research paper on an approved topic, write and discuss short response papers on current issues, and explore jobs, vocations, and careers. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior sociology major.

Theatre Arts

Professor: Larry Reed

Associate Professors: Gregory Mach, Barbara Park Reynolds

Assistant Professors: Barbara Burgess-Lefebvre, Sandra Presar

Courses and co-curricular activities offered in dramatic arts are designed to provide experiences in all aspects of theatre. Students majoring in the discipline are provided a

background on which to base specialized graduate or professional study or direct community and organizational theatre activities. Courses and activities are open to all students who wish to nurture their appreciation for the aesthetic in theatre, and/or seek knowledge and skills applicable to education, religious and service-oriented occupations and avocational involvement in community theatre.

Requirements for Major in Musical Theatre (B.A.)

51 semester hours including courses in Dance, Music, and Theatre Arts. Students are required to participate in an auditioned performance (music, dance, theatre) ensemble each semester they are in the major, and to be involved in at least two faculty-directed West Virginia Wesleyan College Theatre productions each year they are in the major. Students are required to participate in an academic / professional audition each year they are in the major. A grade of B or better in THRE 468 is required for graduation. Students should select elective courses in consultation with the musical theatre advisor

Dance Requirements (9 hours):

DANC 101, 8 hours of dance technique selected from ballet, modern, and jazz/tap. Students are required to achieve proficiency level III in a primary dance style and a level II in a secondary dance style.

Music Requirements (10 hours):

MUSC 101, 163; 5 semesters of study in voice (at least 5 semester hours). Students should plan to take voice lessons each semester.

Theatre Arts Requirements (32 hours):

THRE 120, 129; THRE 205, 305, 355, THRE 245, 255; THRE 263, 264, 363, 364; one course selected from THRE 309, 310, 316, and DANC 231; THRE 312, 330, 368, and 468.

Requirements for Minor in Musical Theatre

Students must be a Theatre Arts, Music (voice), or Arts Administration major.

21 Semester hours including: THRE 205, 312, 330; 6 hours selected from the following dance technique classes (reaching a level II in one genre): DANC 101, 105, 107, 109, 205, 207, 209, 305, 307, 309; 8 hours of electives selected from: THRE 101 (up to 2 hours maximum), 129, 263, 264, 305, 355, 405; and a contract course designed by a director of musical theatre.

Requirements for Major in Theatre Arts (B.A.)

47 semester hours, including core and individual concentration reuirements. Students must complete major responsibilities in at least four major West Virginia Wesleyan College Theatre productions.

Core Requirements (26 hours):

DANC 101, THRE 120, 129, 210, 258; 309 or 310; 316, 395, 397, and ENGL 350.

Acting/Directing Concentration (21 hours):

THRE 229 or 358; 245 or 255; and 15 hours selected from remaining theatre arts courses except THRE 110.

Design/Technical Concentration (21 hours):

THRE 323, 331, 334, ART 111, and 9 hours selected from remaining theatre arts courses except THRE 110.

Requirements for Minor in Theatre Arts

15 semester hours, including THRE 120 or 210; 129; two courses selected from 309, 310 or 316; and 3 additional hours in theatre arts except THRE 110. Students must complete major responsibilities in at least two major West Virginia Wesleyan College Theatre productions.

Requirements for Major in Musical Theatre (B.F.A.)

74 semester hours, including courses in Dance, Music, and Theatre Arts. Students are required to participate in an auditioned performance ensemble (music, dance, or theatre) each semester they are in the major and to perform in at least two faculty-directed WVWC Teatre productions each year they are in the major. Students are required to participate in at least two faculty-approvedacademic/professional auditions or festivals each year they are in the major. Students who do not fulfill at least a supporting role in a theatre production by the first semester of the junior year are required to take THRE 239 or higher. A grade of "B-" or better in THRE 468 and a portfolio review/defense with the musical theatre faculty is required for graduation.

Dance Requirements (17 hours):

DANC 101, 105, 107, 109, 10 hours of dance technique electives selected from ballet, modern, and jazz/tap. Students are required to achieve proficiency level III in a primary dance style and a level II in a secondary dance style.

Music Requirements (17 hours):

MUSC 101, 102, 163; and 8 hours of voice. Students are required to achieve a minimum level 8 in vocal training.

Theatre Arts Requirements (40 hours):

THRE 120, 129, 205, 229, 245, 255, 258, 263, 264, 305, 312, 330; 335 or 356; 355, 363, 364, 368, 405, 468.

Requirements for Major in Theatre Performance (B.F.A.)

70-72 semester hours, including THRE 120, 125, 129, 210, 229; THRE 205 or 239; THRE 249 or 305; THRE 245, 255, 258, 261, 263, 264, 275, 321, 335, 356, 358, 395, 397; three courses selected from: THRE 309, 310, 312, 316; two courses selected from: THRE 221, 250, 322, 323, 331, 334, 341. Students will be fully accepted into the program following a successful autidion at the end of their first year. Students are required to participate in two faculty-directed productions each school year. Students will be subject to biannual review by the theatre arts faculty.

Requirements for Major in Musical Theatre/Technical Design (B.F.A.)

73-75 hours, including courses in Art and Theatre. Students are required to participate in one faculty-directed WVWC Theatre production each semester. Students are required to execute one design for either the studio or the main stage theatre their junior or senior year.

Art Requirements (18 hours):

ART 111, 112, 121, 122, 241, 242.

Theatre Requirements (55-57 hours):

THRE 120, 129, 210, 221, 250, 258, 322, 323, 331, 334, 341, 358, 395, 397, 491; two courses selected from THRE 309, 310, 316; two performance courses (6 hours) in Theatre or Dance.

Requirements for Minor in Dance

See *Dance* for description.

THRE 101. Theatre Practicum. **1 hr.**

Intensive practice in the various aspects of theatre production: acting; design, building and painting scenery and properties; lighting design and execution; costume design and construction; make-up design and application; box office and promotion procedures; children's theatre; technical direction; and stage or theatre management. Students may accomplish their goals through active commitment to West Virginia Wesleyan College Theatre or Reader's

Theatre productions or through practicums arranged with department faculty members. *Prerequisite:* Consent of the technical director or director of the theatre. *May be repeated for a total of six hours of credit.*

THRE 110. Introduction to Theatre Arts. 3 hrs.
An introduction to the theatre through a survey of its history, literature, and the various artists involved in the creation and production of a play. Lectures, reading, and discussion will be used to investigate the subject matter. *Does not count toward a major or minor in theatre arts.*

THRE 120. Stagecraft. 3 hrs.
A course dealing with the basic tools, equipment, construction techniques and painting methods found in the theatre. The building of properties and the movement of scenery will also be explored. *Offered fall semester, even years.*

THRE 125. Stage Makeup. 3 hrs.
An exploration of stage makeup techniques, including corrective, old age, fantasy, prosthetic and gender-reversed applications.

THRE 129. Acting I. 3 hrs.
An introductory course in acting for the stage emphasizing creative dramatics, improvisation, marketing techniques and scne studies. As they endeavor to formuate their own methods and techniques, students will become familiar with the teachings of Stanislavski, Uta Hagen, and Michael Chekhov.

THRE 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course of seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

THRE 205, 305, 355, 405. Musical Theatre Performance I-IV. 2 hrs.
Introduction to the techniques of performing in musical theatre. The theories of David Craig, Wesley Balk and others will guide students through each level of training, which will concentrate on progressive development of skills in acting, dance, and music as they relate to the creation of character in all musical theatre styles. *Prerequisite:* None for THRE 205; successful completion of the previous course for THRE 305, 355, and 405.

THRE 210. Design for the Stage. 3 hrs.
A survey of theatre production theories and techniques. The course includes problems with costuming, makeup, lighting, sound, scenery, properties, theatre management and theatre architecture. *Offered fall semester, odd years.*

THRE 221. Scene Painting. 3 hrs.
A hands-on exploration of the various responsibilities, equipment, and techniques of the scenic artist. Building on the various aspects of the job of the scenic artist, students will become involved in th practical aspects of scene painting, learning proper use and maintenance of equipment and simple to advanced scene painting techniques.

THRE 229. Acting II. 3 hrs.
A course focusing on scene studies in which actos learn about various theatre philosophies and hone their skills and techniques for the stage. *Prerequisite:* THRE 129. *The student must sign up with an acting partner.*

THRE 239. Acting III. 3 hrs.
Continuation of THRE 229. *Prerequisite:* THRE 229. *The student must sign up with an acting partner.*

THRE 245. Voice and Diction for the Actor. 3 hrs.
A course designed to give the actor a basic familiarity with the physiology of speech and with those techniques required by a stage performance. Students will learn the International Phonetic Alphabet and become proficient in an accent or dialect of their choosing. *Prerequisite:* THRE 129.

THRE 249. Acting IV. **3 hrs.**
Continuation of THRE 239. *Prerequisite:* THRE 239. *The student must sign up with an acting partner.*

THRE 250. Stage Management. **3 hrs.**
A course dealing with the basic principles and skills of stage management. Emphasis on organizing, scheduling, and running a theatrical production from pre-production to closing night. Development of techniques and skills in personnel management, organizational communication, technical theatre, and performance as they relate to mounting a theatrical production. *Prerequisites:* Six hours in dramatic arts above THRE 110 or permission of instructor. THRE 120 is highly recommended.

THRE 255. Movement for the Stage. **3 hrs.**
Developing physical agility, expressiveness, adaptability, and control for performance. Emphasis on using the actor's body to present dramatic characters. Topics include mime, neutral and character mask-work, stage combat, clown techniques, and period movement. *Prerequisite:* THRE 241.

THRE 258. Directing I. **3 hrs.**
Study of play analysis and the theory and practice of directing. Includes play selection, auditioning, casting, staging, and working with actors. Students will direct a scene as a final project. *Prerequisites:* THRE 129 and 210.

THRE 261. Stage Combat. **3 hrs.**
The choreography and execution of stage fights, both hand to hand and with stage weapons. Topics include creation of believable characters in a fight, safely creating the illusion of danger on the stage, and creating dynamic conflict with violence. *Prerequisite:* THRE 129.

THRE 263, 264, 363, 364. Movement/Voice Practicum. **1 hr.**
A daily physical and vocal regimen designed to develop discipline and consistency in training - thus the good health, efficiency, strength and stamina needed for performance in musical theatre. This regimen consists of work in yoga, t'ai chi, aikido, and adjunctive body therapies.

THRE 275. Applied Research for Actors. **3 hrs.**
Developing an understanding of and appreciation for the role of research in strong acting. Through hands-on research and application of that research in developing both human and animal characters, students will build on skills developed in Acting I. *Prerequisite:* THRE 129.

THRE 309. History of the Theatre I. **3 hrs.**
A comprehensive study of the literature and history of the theatre from primitive man through Elizabethan England. Lectures and discussion concerning plays and historical background. *Offered fall semester, even years.*

THRE 310. History of the Theatre II. **3 hrs.**
A comprehensive study of the literature and history of the theatre from Elizabethan England through Romanticism. Lectures and discussions concerning plays and historical background. *Offered spring semester, odd years.*

THRE 312. History of Musical Theatre. **3 hrs.**
A survey of the development of musical theatre from the nineteenth century to the present. Lectures, recordings, films and printed librettos will be used to study the evolution of performance and musical style along with the development of musical literature and design common to musical theatre. The course will culminate in an exploration of the possible future of musical theatre.

THRE 316. Modern Trends in Theatre. **3 hrs.**
A survey of the significant events, theories, plays and artists of contemporary theatre.

THRE 321. Period Styles in Acting. **3 hrs.**
Performance techniques peculiar to classical works such as Shakespeare and Moliere,

concentrating on diction and deportment in various scene studies from different periods. *Prerequisite:* THRE 129.

THRE 322. Costume Design. **3 hrs.**
A combined lecture and laboratory course in contemporary methods of costume design and costuming. The student will develop a number of designs and investigate the history of clothing. *Prerequisite:* THRE 210.

THRE 323. Scene Design. **3 hrs.**
A combined lecture and laboratory course in contemporary theatre methods of scene design. The student will develop a number of designs along with investigating past and present theories of design. *Prerequisites:* THRE 120, 210. *Offered spring semester, even years.*

THRE 330. Dance Repertory for the Musical Stage. **2 hrs.**
Dance repertory for the musical stage, primarily from the 1920s to the present. For all students interested in dance. *Prerequisites:* DANC 101, Level II in ballet or modern technique and Level I in jazz/tap or permission of instructor.

THRE 331. Lighting Design. **3 hrs.**
A course dealing with the basic techniques of lighting for the stage, designed to help students acquire competence in creating workable lighting effects for school, church, and community theatres. *Prerequisites:* THRE 120, 210.

THRE 334. Advanced Stagecraft. **3 hrs.**
Exploration of advanced techniques of scene painting, property construction, sound effects creation, and rigging/flying of scenery. Through hands-on experience, students will build on skills developed in THRE 120. *Prerequisite:*THRE 120.

THRE 335. Voice and Diction for the Actor II. **3 hrs.**
Continuation of THRE 245 Voice and Diction for the Actor, concentrating on articulation, pronunciation, dialects and accent work, the International Phonetic Alphabet, and vocal challenges through scene studies and readings. *Prerequisites:* THRE 129, 245.

THRE 340. Drama for Youth. **3 hrs.**
An examination of drama as a tool for aesthetic, emotional, ethical, and social development in young people. The principles governing the production of appropriate plays are examined, dramatic literature for youth is surveyed, and students gain experience in leading dramatic activities with young people. This course is especially recommended to individuals who intend to work with children and young people in schools, churches, and other settings. *Offered spring semester, odd years.*

THRE 356. Movement for the Stage II. **3 hrs.**
This course will provide the student with advanced study in the materials introduced in Movement for the Stage I. Students will be allowed to create a personalized advanced research project in movement for the stage based in Labin, Exercises in the tradition of Joseph Pilates, Alexander, Yoga, T'ai Chi, Polarity, Body Therapy, or other adjunctive techniques. *Prerequisite:* THRE 255.

THRE 358. Directing II. **3 hrs.**
Advanced study of the theories and practices of directing, including the history of directing. Students will direct a play as part of a one-act festival. *Prerequisite:* THRE 258.

THRE 368. Half-Recital. **1 hrs.**
Development, rehearsal and public performance of a 20 to 35-minute recital, followed by critique and assessment by the musical theatre advisor and/or committee. This experience will prepare the student to present a full recital in the senior year. *Prerequisite:* Permission of musical theatre advisor and/or committee.

THRE 395. Senior Internship. **1-3 hrs.**
Professional or semi-professional experience in theatrical production for theatre arts majors. Students will be assigned significant responsibilities determined by their needs and capabilities and the needs of the sponsoring organization. *Prerequisite:* Permission of the faculty.

THRE 397. Seminar. **3 hrs.**
The capstone course of the theatre arts major; a study of various critical approaches to the theatre and application of those approaches to dramatic literature and performance of that literature. Evaluation of the student's knowledge and skills in the major. Culminates in a performance or gallery exhibition of the student's theatrical history. *Satisfies advanced composition requirememt for general studies. Prerequisite:* Minimum of 20 hours in theatre arts or permission of instructor.

THRE 468. Full Recital. **1 hr.**
The exit exam for musical theatre majors; this recital provides an opportunity for students to demonstrate their professional level of performance style, creativity, and craft in acting, dance, and voice. Grade of B or better required for graduation. *Prerequisite:* Grade of B or better in THRE 368.

THRE 491. Advanced Design Practicum. **3 hrs.**
A capstone design course involving the realization of a design project. The student will execute an actual design that will be used for a production in the WVWC Theatre season. *Prerequisite:* THRE 322, 323, 331, 334, 341.

Academic Policies

Academic Integrity

See policy under **Rules for Living**, page 132.

Registration

Course Load

Full-time tuition entitles a student to register for a maximum of 17 credit hours per semester, except for Music Education majors, where 18 credit hours are allowed. A average load is 15 hours; the minimum full-time load is 12 hours. Students who wish to enroll in more than 17 hours in a semester (or seven hours in any one summer term) must have sophomore standing, a minimum grade point average of 2.75, and the approval of the Dean of the College. An overload fee is charged. The Admission and Academic Standing Council may require a student to take a lighter course load.

When to Register

All students must register at the beginning of each semester, May Term, or summer term by the official deadline published in the College calendar. A charge will be made for failure to register on the date designated for registration.

Students in residence during any semester or summer term are urged to preregister for the ensuing semester, academic year, May Term or summer term on dates designated.

Changes in Registration

Students may change their registration for courses in accordance with College policies within the first five days of classes in any semester or within the first two days of classes of any May Term or summer term—the "add/drop period." Courses dropped within these time periods will not appear on the student's permanent academic record. No semester-long courses may be added to a student's schedule after these time periods. Eligibility to add or drop courses may be limited by specific academic policies. (See Withdrawal from Courses, below.)

Withdrawal from Courses

A student will be permitted to withdraw from a course only during the period designated in the academic calendar. Unless otherwise specified, the final date for withdrawal from a course of less than a semester's duration will be the midpoint of that course. In order to withdraw from a course, a student must complete the withdrawal form available in the Academic & Career Center.

If the student is granted permission to withdraw, a W (Withdrawal) is entered on the record. If a student discontinues a course after the specified date for withdrawal and/or without permission of the Dean of the College, FW (Failure, Irregular Withdrawal) is entered on the record.

Cancellation of Courses

A course is subject to cancellation when fewer than eight students are enrolled in it. The College reserves the right to cancel the course as late as the end of the schedule change period each term. Every effort will be made to work with students regarding program planning and placement in appropriate alternative courses.

Auditing

A person wanting to audit a course must obtain permission from the Dean of the College, register as an auditor, and pay the auditor's fee for the course. (See Auditors in Expenses and Financial Aid section.) A full-time student may audit a course without having to pay the audit fee if the credit hours normally granted for the audited course would not create an overload, were they earned credits.

Auditors take no examinations, submit no written work, do no laboratory work, and receive no credit for courses audited.

Attendance Requirements

Each student is expected to attend classes and laboratory sessions. Missing a substantial portion of any class or laboratory session constitutes an absence. Missing sessions because of late registration may constitute absences. Faculty members are free to establish attendance policies that penalize students for classes missed.

A student who in the judgment of the Admission and Academic Standing Council has been grossly negligent in class attendance shall be subject to disciplinary action.

Semester Hours/Credit Hours

A semester is a 14-week term. With some exceptions, a course meeting one hour per week for a semester carries one semester hour of credit; a course meeting two hours per week for a semester, two semester hours, etc. May Term and summer classes meet more frequently over shorter periods of time to achieve the same number of classroom hours.

Classification

Students who have earned 29 semester hours or less of college credit are classified as freshmen; those who have earned 30-59 semester hours of credit are sophomores; those who have earned 60-89 semester hours of credit are juniors; and those who have earned 90 semester hours of credit or more are seniors.

Grades and Quality Points

In order to remain in good academic standing, students must maintain a cumulative grade point average of at least 2.0 (1.75 for first-semester freshmen). See Requirements for Graduation, page 26, and Academic Status, page 132.

Grade	Explanation	Quality Points (per hr.)	Grade	Explanation	Quality Points (per hr.)
A	Excellent	4.00	D+		1.33
A-		3.67	D	Poor	1.00
B+		3.33	D-		0.67
B	Good	3.00	P	Pass	0
B-		2.67	F	Failure	0
C+		2.33	I	Incomplete	0
C	Satisfactory	2.00	W	Withdrawal	0
C-		1.67	WF	Withdrawal Failing	0
			AU	Audit	0

Grades of P, I, W and AU are not included in grade point average calculation. A grade of WF is the equivalent of a grade of F.

If a student who has been passing cannot complete work in a course because of illness or other sufficient reason, an I (incomplete) may be entered temporarily on the record. The course must be completed within the first six weeks of the next regular semester, except when an extension of time is granted by the Admission and Academic Standing Council. Otherwise, the I automatically becomes an F or such other grade as the instructor assigns based on work completed.

Grade Point Average

A student's grade point average (GPA) is computed by dividing the total number of quality points earned by the total number of graded semester hours for which the student has registered. Courses from which the student has withdrawn officially, courses in process, and courses in which a grade of Pass was earned are not included in this computation.

Pass/Fail Courses

A junior or senior student may choose to take one elective course each semester to be graded on a Pass/Fail basis with the approval of the instructor, faculty advisor, and Registrar. In order to receive a grade of Pass, the student must earn the equivalent of a 2.0 or above in that course. The student may not use this option for courses in the

major or minor or required for general studies. The Pass or Fail will be entered on the student's permanent record. Courses for which a Pass is earned will fulfill hour requirements but will not affect the grade point average (GPA).

Pass/Fail application forms are available in the Office of the Registrar, or on-line by e-mailing acc@wvwc.edu

Courses Repeated

A course in which the final grade is C- through F may be repeated at Wesleyan. When a course is repeated, both the original grade and the grade in the repeated course will appear on the permanent record; the first grade will be ignored when computing the student's grade point average (unless it was a C- through D- followed by an F, in which case both count until followed by a passing grade). Course repeat application forms are available in the Office of the Registrar.

If for any reason a student repeats a course in which a grade higher than C- has been received, only the first grade will be included in the calculation of the grade point average. The second grade will appear on the student's academic record, but the credit hours will be zero. However, for courses designed for incremental learning (e.g., applied music), duplicate hours of credit and all grades will be counted.

Grade Reports

At the end of each semester, summer term and May Term, the College issues a report of each student's grades. During the fall and spring semesters, progress reports are sent to students whose academic work is evaluated as deficient (C- through F) during the first five weeks of classes. Progress reports do not become a part of students' permanent records, but are indicators that corrective action is needed.

Copies of these reports are sent to the student, to the faculty advisor, and to the designated parent or guardian unless the student is formally identified as having independent status.

Dean's List

Superior scholarship is encouraged and recognized by the publication of the Dean's List at the end of each semester. This list includes students who have achieved a grade point average of 3.5 or above for the semester, while carrying a load of at least 12 semester hours.

Academic Status

Good Standing and Good Standing with Academic Warning

In order to remain in *good academic standing,* students must maintain a cumulative grade point average (GPA) of 2.0 or above. However, freshmen with a GPA of 1.75-1.99 at the end of their first semester of full-time study will be in good standing, but will be placed on *academic warning* for their next semester of enrollment. Students on academic warning will be encouraged to work closely with their academic advisors to develop strategies to improve their academic performance.

Students on academic warning may be ineligible for institutional financial aid.

Academic Probation

Students who fail to maintain good standing at the end of any semester of their enrollment at the College, but who were in good standing the previous semester and have not been on academic probation two times or more during their careers at Wesleyan, will be placed on *academic probation*. At the end of the probationary semester, students will either (a) reestablish good standing or (b) be placed on continued academic probation, provided their GPA for the probationary semester was at least 1.01.

Continued Academic Probation

Students who fail to achieve good standing at the end of a semester on academic probation, or who fail to achieve good standing and have been on academic probation two times or more during their careers at Wesleyan, or who fail to achieve good standing at the end of a semester on continued probation but earn a semester GPA of at least 2.2 on 12 credit hours, will be placed on *continued academic probation*. To continue enrollment after a semester on continued academic probation, students must (a) achieve good standing or (b) earn at least a 2.2 GPA on 12 earned hours. Students who fail to meet either of these standards may be suspended for academic reasons. Students suspended for academic reasons may appeal their dismissal; appeals will be judged on a case-by-case basis.

Special Review of Continued Enrollment

Students who earn a GPA of 1.0 or less during any semester of enrollment, regardless of their official student status, and who have not been suspended for academic reasons will be required to provide clear justification for their continued enrollment at Wesleyan. Permission to continue enrollment will be granted case-by-case, based on the merits of the student's requests. First-semester freshmen who earn a GPA of 1.0 or less may be required to withdraw from the College. Students granted permission to enroll after a special review of their status will be placed on academic probation or continued academic probation.

Academic Suspension and Dismissal

Students at academic risk who fail to qualify for probation or continued probation are subject to academic suspension or dismissal. Students who are suspended or dismissed by the College for academic negligence prior to the completion of a term of enrollment shall have the grade of FW entered in their permanent records for the courses involved. West Virginia Wesleyan College also reserves the right to require students to withdraw if their scholarship proves unsatisfactory, or if their presence in any way jeopardizes the standards and ideals the College seeks to maintain.

Academic suspension is a time-limited separation from the College. After review by the Academic Standing Council, a student may be suspended for either one semester or one year. A suspended student will be eligible to apply for readmission after the specified time period and upon meeting any conditions stated at the time of suspension. A student may be suspended only twice. Subsequent lack of academic progress will result in dismissal.

Academic dismissal is a complete separation from the College. After five years, a dismissed student may apply for readmission, which is not automatic.

Academic Credit

Credit by Examination

The College makes available to students a program of credit by examination. Students must be enrolled at Wesleyan to take advantage of credit by examination opportunities.

Students who take the College Board Advanced Placement Program examinations and achieve a score of three or higher will in most cases be eligible for credit in the appropriate course(s) upon enrollment at Wesleyan.

The College participates in the College Level Examination Program (CLEP). Entering students may receive credit through the general examinations when they achieve the passing score set by Wesleyan. CLEP and DANTES subject examinations in courses of a general college nature are also available to all students.

General information is available from the Office of the Registrar.

Transfer Credit

West Virginia Wesleyan College accepts transfer credit from regionally accredited colleges and universities in the United States as well as from officially recognized colleges and universities in other countries. Credit earned in the arts, letters, and sciences, and selected professional disciplines is eligible for transfer to Wesleyan. Credit may be accepted by special arrangement from a non-accredited institution; however, credit will not be posted to the student's permanent record until the student has completed one academic year of work at Wesleyan with an average grade of C (2.0). The Admission and Academic Standing Council may require examinations to demonstrate proficiency in work taken at non-accredited institutions. The Office of the Registrar is responsible for the evaluation and acceptance of transfer credit.

Wesleyan students who wish to complete work toward a Wesleyan degree at another institution must receive approval of specific courses prior to enrolling in them to guarantee that they will be accepted by the College and satisfy intended degree requirements. No more than 60 semester hours of credit may be transferred from a junior or community college.

Alternative Entry Program

See description under Admission on page 150.

Credit for Educational Experience in Armed Services

The College may grant appropriate credit, as recommended in *The Guide to the Evaluation of Educational Experiences in the Armed Services*, and as modified or superseded by later recommendations of the Commission on Educational Credit of the American Council on Education, to students who either submit satisfactory documentary evidence (e.g., DD 214), or demonstrate on such tests as the College

may prescribe that they have achieved, through educational experience in the armed services, a satisfactory degree of mastery of any subject for which the College regularly gives credit.

In granting credit under these regulations, no duplication of credit will be allowed, and no fractional credits will be granted. Credit in physical education may be allowed for educational experience in the armed services only when the applicant has completed 12 continuous months of active military service. Credit for educational experience gained in the armed services will be recorded only for persons who are currently enrolled as students in the College.

Interested persons should consult the Office of the Registrar.

Assessment of Student Academic Achievement

Wesleyan engages in the systematic, ongoing assessment of student academic achievement as a means of improving its academic programs and reinforcing its commitment to its educational mission. Assessment activities are designed to determine student growth and to measure student achievement, both in general studies and in the academic major. For purposes of institutional program review, students may be required to participate in national or departmental assessment examinations.

Although student participation in assessment activities is required, confidentiality of data will be strictly maintained. Individual scores or responses will not become part of the student's permanent academic record, and reports of assessment results will be in aggregate form.

Student Life

The College considers community living, co-curricular activities, and campus leadership as significant complementary elements of a liberal arts education. The College is committed to a challenging academic program in a residential setting that helps students appreciate diversity, accept responsibility for their own actions, respect the value of community life, and exercise their leadership capacity.

The Chapel and Religious Center

The placement of Wesley Chapel at the center of the campus was quite intentional. The presence of the Chapel affirms Wesleyan's commitment to the integration of intellectual, spiritual, and social concerns.

Each Tuesday morning during the academic year worship services are privided for the campus community to gather for spiritual, intellectual, and social nurture and challenge. College policy requires that no other activities—including classes, department and organization meetings, rehearsals, seminars and practice—be scheduled during the weekly chapel time so that all students, faculty and staff will be free to attend and participate in chapel if they choose. The chapel time features a variety of programs conducted by the Dean of the Chapel, guest presenters, artists and speakers, students, staff and faculty, and community leaders. Catholic Mass is offered each Saturday evening in the Meditation Chapel.

Wesley Chapel is the site of all-campus convocations, cultural events, and celebrations. The Chapel program also sponsors activities such as the Peace and Justice Committee, Christmas on Campus, Hanging of the Greens, Community Service Center activities, and Christian service organizations such as Sigma Theta Epsilon and Kappa Phi. Other Chapel-sponsored groups include Chapel Choir, *LoveShine* (proclaiming the Christian message in drama, dance, and music), Intervarsity Christian Fellowship, *Synago* (United Methodist Student Movement) and the Catholic Campus Ministry Association. The Dean of the Chapel encourages the formation of new groups to meet the ongoing spiritual needs of students, staff and faculty.

Martin Religious Center, located in the rear of Wesley Chapel, houses the Community Service Center; the Bonner Scholars Program; the Wesleyan Recycling Program; and the Meditation Chapel, which is open to all within the Wesleyan community for private meditation and small group worship.

Wesleyan is open to persons of all faiths. Wesley Chapel and Martin Religious Center stand as symbols of both our Christian heritage and identity and our openness to religious diversity. The Dean of the Chapel encourages all members of the campus community to seek ways in which to practice their spirituality.

The Physical Education Center

The John D. Rockefeller IV Physical Education Center is one of the finest small college sports complexes in the country. Its main gymnasium, seating more than 3,700 spectators, accommodates intercollegiate basketball, volleyball and, with its portable stage, concerts and large-scale events. The Center also contains an auxiliary gym, an indoor Astroturf facility, an anatomy and physiology laboratory, athletic training rooms, racquetball courts, an indoor tennis court, an indoor golf practice area, a dance studio, a weight room, and fitness facilities. Well-maintained playing and practice fields and an all-weather outdoor track complement Wesleyan's indoor athletic facilities.

Rockefeller Center is home to the College's 17 intercollegiate varsity sports, an Adult Fitness program, and an extensive intramural program. The College pool is located in the adjacent Campus Center.

Health Services

Barnhart Memorial Health Center provides out-patient medical treatment with registered nurse, nurse practitioner and local physician coverage during daytime office hours. When students are admitted to Wesleyan, they must submit a physical examination and immunization report.

Accidents or cases of serious illness which occur during hours when the Health Center is closed are referred to the emergency room at St. Joseph's Hospital, which provides 24-hour emergency service. All students receiving medical care from local providers must assume the responsibility of payment directly to the physician or hospital from personal funds or through their hospitalization programs. The College cannot assume responsibility for prolonged or specialized medical care or for hospitalization.

Accident and sickness insurance is required for all students, most of whom are provided coverage through their parents' policies. Students will be billed an annual premium for a plan offered through the College unless they submit an Student Waiver Card that lists the provider under which they are covered.

The Campus Center

The Benedum Campus Center is a place of recreation, relaxation, and work. It houses the College Bookstore, Post Office, radio station, Sunny Buck's (convenience store), and the Cat's Claw (non-alcohol pub), as well as facilities for swimming, billiards, pinball, video games and reading. Offices of the student newspaper, yearbook, student

organizations, Vice President for Student Affairs, and various student life staff are located in the Center.

Most of the campus social and cultural programming is coordinated by the Director of Campus Activities and Campus Activities Board. Each weekend, entertainment such as concerts, variety shows, comedians, dances, and box office films is presented. Other activities include recreational trips, athletic tournaments, game nights, and student talent shows.

The French A. See Dining Center, connected to the Benedum Campus Center, offers varied meal plans for residential and commuter students in an environment that is spacious and attractive.

Cultural Events

The Arts Alive! Committee and Campus Activities Board together provide the campus with numerous cultural activities, including concerts, dramatic productions, musical performances, modern dance and ballet, and lectures. Touring artists such as Shenandoah, Shakespeare Express, Common Ground (Irish Stepdance Troupe), The Princely Players, and Ginga Brasileira, as well as residencies by artists and writers have enriched the campus in recent semesters.

Community Council

Coordination of campus activities and student organizations and oversight of quality of life issues on campus and in the residence halls are the responsibilities of Community Council, an organization perhaps unique to the Wesleyan campus. Made up of student representatives as well as representatives of campus organizations, faculty, and administration, this body meets weekly to facilitate campus communication and to provide leadership in dealing with campus problems and issues. Meetings of Community Council are open to all who are interested.

Student Activities

Students are urged to become involved in any of a wide range of activities and organizations. For example, Wesleyan men and women participate in a total of 17 intercollegiate sports and support an active and competitive intramural program. Wesleyan's musical organizations—Concert Chorale, Concentus Vocum, Concert Band, and Jazz Band—have received recognition throughout the eastern United States. Interest runs high in these and other musical ensembles.

Students interested in drama may audition for any of a number of major productions or student-directed performances each year, or the annual children's theatre production. Students interested in journalism and communication find their way to the offices of the *The Pharos*, *Murmurmontis*, and *Vandalia*, the campus

newspaper, yearbook, and literary magazine, or to the campus radio station, C92.

Five national social fraternities maintain fraternity houses near the campus: Chi Phi, Kappa Alpha Order, Alpha Sigma Phi, Theta Chi, and Theta Xi. Four national sororities occupy meeting suites in a special wing of Holloway Hall: Alpha Delta Pi, Alpha Gamma Delta, Alpha Xi Delta and Zeta Tau Alpha. Alpha Phi Alpha and Delta Sigma Theta are predominantly African-American Greek groups on campus.

Departmental organizations include the American Marketing Association, Black Business Student Association, Beta Beta Beta (Sciences), Computer Science Club, Economics Club, Engineering Physics Club, Pre-law Club, Pre-Physical Therapy Club, Public Relations Club, Sociology Club, Student Art League, Student Athletic Trainers, Standard Deviators (Math), Students in Free Enterprise, Student National Education Association, and Student Nurses of Wesleyan.

Interest groups recognized as campus organizations include 4-H Club, Alpha Phi Omega Service Fraternity, Black Student Union, Campus Activities Board, Christian Life Council, Circle K, College Republicans, Green Club, International Student Organization, Kappa Phi (Christian Women), Model UN, Phi Mu Alpha Sinfonia (Men of Music), Residence Hall Council, Sigma Alpha Iota (Women of Music), Sigma Theta Epsilon (Christian Men), Student Alumni Association, Wesleyan Ambassadors, Wesleyan Service Corps, and Young Democrats.

Honors, Awards and Honorary Societies

In addition to the Hallam Mathematics Honorary, Wesleyan has chapters of a number of honorary societies: Alpha Lambda Delta (Freshman Scholarship), Alpha Psi Omega (Dramatic Arts), Beta Beta Beta (Biology), Delta Mu Delta (Business), Gamma Sigma Alpha (Greek Women), Kappa Delta Pi (Education), Kappa Pi (Art), Lambda Pi Eta (Communication), Mortar Board (Leadership), Omicron Delta Epsilon (Economics), Omicron Delta Kappa (Leadership), Order of Omega (Greek), Phi Alpha Theta (History), Phi Kappa Phi (Scholarship), Phi Sigma Tau (Philosophy), Pi Gamma Mu (Social Science), Pi Mu Alpha Sinfonia (Music), Psi Chi (Psychology), Sigma Alpha Iota (Women in Music), Sigma Theta Tau (Nursing), and Sigma Tau Delta (English).

A special Honors Convocation is held annually at the College. The following honors and awards are among those presented to Wesleyan students who have distinguished themselves during the academic year:

Outstanding Seniors
Sheridan Watson Bell Religious Life Influence Award
Pamela Thorn Memorial Humanities Scholarship
Senior Activity Keys
International Student Ambassador
Academic Departmental Recognitions
Honorary Association Awards
Sam Ross Scholar-Athlete Award
Who's Who Among Students in American Colleges and Universities
Wesleyan Spirit Awards
William B. Hatfield Fine Arts Award

Student Services

Wesleyan faculty and staff believe that social maturity and values clarification are important aspects of the student's intellectual and personal development. We provide a range of services and programs that can help students achieve goals in these areas. These include career planning and job search guidance; intercultural student programming; retention coordination; undeclared student advising; personal counseling and assessment; internship and study abroad guidance; housing of students and residence hall programs; campus activity and outdoor recreation programming; Greek affairs coordination; health, wellness and medical programs; and campus safety.

Orientation

The orientation program for all new freshmen is designed to assist incoming students in making a successful transition from high school to college, and to assist transfer students in making a smooth transition to a new environment. The program includes general information, academic advising, counseling and registration for classes. (See Calendar for dates.)

All freshmen participate in the full-semester, one-credit Freshman Seminar course. In alternate weeks, students will meet in small groups with a faculty leader and two upperclass students who are prepared to assist new students to achieve success in and beyond the classroom. In the non-faculty led bi-weekly class meetings, freshmen participate in laptop computer training and transition-to-college sessions.

Counseling Services

The objective of the Counseling and Wellness Center is to assist students in resolving personal and educational concerns, developing self-management and interpersonal skills, and learning to improve individual well-being. A variety of services is offered, including individual and group counseling, educational programs and resource materials on a variety of important issues, support groups, and a comprehensive drug and alcohol education program. These services are free and confidential.

If a student needs specialized services not available on campus, the staff will make an appropriate recommendation or referral.

Academic & Career Center

Students are encouraged to begin the process of career planning as early as the freshman year. Advisors in the Academic & Career Center help students learn how to plan effectively for course selection and career decision-making and assist students with the assessment of job and career opportunities.

A collection of career-choice materials and a library focused on career opportunities is available for student use. Freshmen and sophomores may choose to receive assistance in identifying personal strengths and relating them to career options by registering for the one-credit Career Planning course (COLL 150). Juniors and seniors preparing for the employment search may register for the one-credit Job Search course (COLL 405), where they earn skills in resume and cover letter writing, and

practice effective interviewing techniques. An extensive alumni network for career guidance, internship planning and job placement is accessible to all students.

Student Academic Support Services

Support for All Students

Student Academic Support Services offers assistance to students who are interested in enhancing their academic performance. Through individual conferences and small group classes, students are encouraged to target and correct problems that interfere with academic success and to use cognitive strengths to deepen their learning process. The College Study Strategies class (COLL 104) helps incoming students make the transition to college level academics. Graduate School Test Preparation (COLL 305) assists upper level students in developing a strategic plan to prepare for examinations such as the GRE, LSAT, and GMAT. All students may come to the center to receive individual academic guidance from the professional staff, to participate in the Walk-In Peer Tutoring system that is certified by the College Reading and Learning Association, and to use computer software programs to broaden skills in math, writing, reading, vocabulary development, word processing, and study techniques.

Support for Students with Documented Learning Disabilities

The college holds a strong commitment to providing excellent support to students with documented learning disabilities. An individually structured program has been designed to accommodate students with varying needs. Master's level professionals in the fields of Learning Disabilities, Reading, Education, and Counseling work to help each student design strategies for academic and personal success. Accommodation Plans are determined through a review of the documentation provided by the student and the recommendations of the student's Comprehensive Advisor, who works closely with each individual. For more information about eligibility and requirements for accessing this support system, contact the Director of Student Academic Support Services.

Support for Students with Problems in Language Comprehension and Expression

Student Academic Support Services offers a fee-based, clinical instruction to any Wesleyan student who has reading, writing, cognitive processing, and speaking difficulties. Each student works on an individual basis with instructors who have been trained in Lindamood-Bell$_{TM}$ Learning Processes. Consistent application with Wesleyan's LBP system will help to improve skills required for accurate decoding, quick word recognition, and comprehension for the increased volume of information facing today's college student. Students who have an interest in receiving this instruction should contact the Director of Student Academic Support Services. (See page 155 for fee structure)

Testing Service

The College provides testing services to assist students seeking course credit by examination, professional certification, and admission to graduate and professional programs.

West Virginia Wesleyan College is a Controlled Test Center for the administration of the American College Test (ACT); Graduate Record Examination (GRE), subject examinations only; College Level Examination Program (CLEP); Miller Analogies Test (MAT); National League for Nursing (NLN) tests; and the Praxis Series, for teacher education. Information about these tests and the Wesleyan credit by examination program is available in the Academic Affairs Office.

Writing Center

Staffed by student writing consultants, the Writing Center is open to all students seeking help with writing assignments for any course. Designed to work with faculty using process-style writing instruction, the Writing Center is a place where students can work on any aspect of writing, from conceptualizing a paper topic to editing a final draft. Staff can also assist students with personal writing tasks such as resumes and cover letters, application essays, and articles for publication. Students may call in advance for appointments; walk-in appointments are generally available as well.

Residential System

Housing

The College houses approximately 85 percent of its students in seven residence halls and a complex of apartments and suites. Full-time students are required to live and board in College residence halls during the regular academic year. Students who live with their parents, married students, non-traditional students and students with children may be classified as commuters. A limited number of qualified students may receive a waiver from the residential requirement by participating in the off-campus selection process.

Rooms in the residence halls are furnished with beds, mattresses, desks, desk chairs, dressers, closet space, and window shades. Internet, telephone and stereo/TV cable hook-ups are included in the room charge. Students may subscribe to long distance service. Each residence hall maintains a study lounge, a vending area, and laundry facilities.

A comprehensive first-year program called SMART (Students Managing Academic and Residential Transitions) assists new students in the transition to campus life.

College regulations are found in the *West Virginia Wesleyan Student Handbook*. This publication is accessible on the College's website.

Food Service

Campus dining is provided in the French A. See Dining Center, where meals and menus are provided by a contracted professional catering service. Selections include traditional entrees, grill items, deli sandwiches, pizza, pasta, and specialty bars. Vegetarian choices are available at every meal.

Currently, two meal plans are offered, a 20-meal plan plus 75 points and a 14-meal plan plus 75 points. The plans provide 20 or 14 meals each week during the

academic year plus 75 points (dollars) annually to spend in the Cat's Claw. Specific information about meal plans is available in the Academic and Career Center.

All students residing in the residence halls, except for the Camden Avenue Apartments, are required to board on campus. A commuter meal plan is optional for students living off campus.

Sunny Buck's convenience store, located in Benedum Campus Center, provides pastries, cappucino, sandwiches, and snacks during daytime and evening hours, and the Cat's Claw serves as a restaurant and non-alcohol pub from noon until late evenings, offering a full menu including specialty coffees and desserts.

Rules for Living

From its founding and through its developing years, the College has been committed to the basic principles and standards established by The United Methodist Church and its West Virginia Annual Conference, as they relate to learning, social conduct, and cultural and spiritual enrichment.

The College reserves the right, privilege and responsibility for establishing and maintaining appropriate rules of social conduct, which will be published in the *Student Handbook*.

Academic Integrity

The common enterprise of a college is learning. In all cases, it demands integrity. At Wesleyan, as in all academic communities, claiming another person's work as one's own is a serious offense subject to disciplinary action and even dismissal.

Alcohol and Other Drugs

The College prohibits the illegal use of alcohol and drugs on College property or property used by any recognized student or College group. Regulations regarding alcohol and drug use are contained in the *Student Handbook*, housing contract, and substance-free living agreement, and adherence is expected of all students enrolled at Wesleyan. The United Methodist Church encourages abstinence from alcohol and illegal drugs and supports educational programs that inform and encourage abstinence. While abstinence may be preferred, the College acknowledges other choices that students may make with respect to alcohol use and works aggressively to educate students regarding community responsibility and Wesleyan's expectations for all members of the student body.

Social Responsibility

All individuals and/or groups of the West Virginia Wesleyan College community are expected to speak and act with respect for the human dignity of others, both inside and outside the classroom and in social, recreational, and academic activities either on campus or sponsored by the College.

West Virginia Wesleyan College will not tolerate any form of harassment or intimidation, including, but not limited to, sexual, racial, religious, or age

discrimination. Attitudes of condescension, hostility, role-stereotyping, and sexual or racial innuendo are considered forms of harassment. Wesleyan will not tolerate acts of hazing or the exploitation of individuals or groups. The College affirms the principle of academic freedom and prohibits discrimination against individuals or groups because they express different points of view, but it also affirms that freedom of expression does not justify violating human dignity.

The College Judicial System

Rationale for Discipline

By applying for and accepting admission to West Virginia Wesleyan College, students voluntarily become part of a living and learning community based on mutual respect, honesty, and trust. The opportunity for free inquiry and free expression essential to the educational process exists only within a system of basic order that supports it. To maintain this requisite order, each member of the Wesleyan community accepts responsibility for personal actions and adheres to and respects the general regulations of the College as well as the laws of the larger society, including municipal, state, and federal statutes. When individuals fail to accept these responsibilities, the College will impose disciplinary sanctions in order to protect the campus community and to uphold the ideals and standards the College seeks to maintain.

Administrative Authority

The Board of Trustees of West Virginia Wesleyan College possesses by legal charter ultimate authority for the College. The Trustees have entrusted the President of the College with the responsibility and authority to develop and supervise the operation of the disciplinary function. The President, in turn, has designated the Vice President for Student Affairs as the primary officer in charge of maintaining and supervising the judicial process.

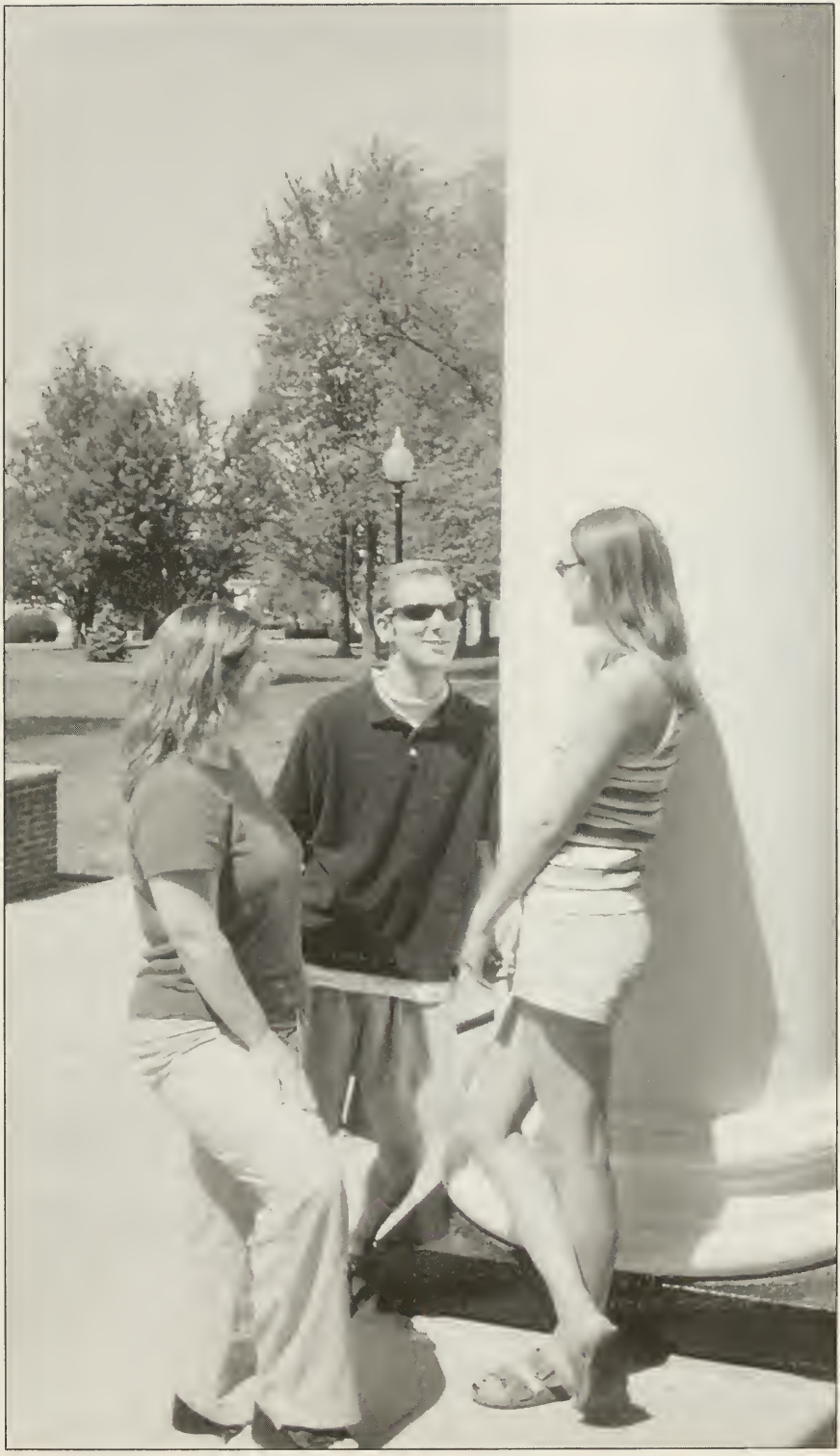
Colleges and universities are not expected to develop disciplinary regulations written with the scope or precision of a criminal code. Rare occasions may arise when conduct is so inherently dangerous to the individual or to others in the community, or raises a substantial threat to the basic ideals and standards of the College, that extraordinary action not specifically authorized in the rules must be taken. West Virginia Wesleyan College reserves the right to take necessary and appropriate action to remedy serious academic or social problems, including disciplinary warning, disciplinary probation for a stated period, suspension or dismissal.

The standards and operating procedures of the judicial system are found in the Code of Conduct published in the *Student Handbook*.

Use of Cars

Any student enrolled at Wesleyan may operate a motor vehicle at West Virginia Wesleyan but is required to register it with the Office of Campus Safety and Security and purchase a numbered parking decal for each vehicle. Every motor vehicle driven by a student must have in force bodily injury and property damage liability insurance. Any student who makes reckless or improper use of a car, fails to register a vehicle properly, or consistently violates traffic standards will lose the privilege of driving while at Wesleyan.

Regulations describing the use of parking areas, restricted zones, time limits, and financial penalties for traffic violations are outlined in the online Student Handbook and can be obtained at the Security Office.



Admission

Wesleyan seeks students with inquiring and creative minds who will profit from a liberal arts program in an atmosphere of freedom with responsibility.

Students are selected by the Office of Admission on the basis of ability, interests, academic preparation, character, and promise, as indicated by their own statements on the application, as well as by high school or college records, recommendations, and standardized test results. Since applicants are considered on their own merit, the College invites applicants for admission to supply further evidence to indicate their competence and eagerness to deal with a demanding and exciting program.

Open without discrimination to all qualified students, the College reserves the right to refuse to admit any applicant who, because of low scholarship or citizenship record, is deemed by the Admission and Academic Standing Council to be unlikely to succeed within the standards the College seeks to maintain.

High School Graduates

Persons wishing to be admitted directly from high school should present the following items to the Director of Admission:

1 An application for admission on a form furnished by the College with the $25 fee (non-refundable). The application may also be submitted through the Internet (no application fee) from the West Virginia Wesleyan College Home Page (www.wvwc.edu). Students who visit the campus prior to submitting an application will receive a paper application fee waiver.

2 A transcript of record from an accredited high school showing courses pursued, grades earned, and credits earned in at least grades 9 through 11. In addition to any transcript used in the application process, a final copy certifying graduation must be submitted prior to actual enrollment. Students who have taken college courses while in high school must submit an official transcript to document all college work.

3 A record of either SAT I (Scholastic Aptitude Test) or ACT (American College Test) scores.

Applicants from non-accredited high schools or completing General Educational Development testing may be considered for admission if satisfactory ability and achievement are demonstrated.

For students interested in the Early Decision Program, completed applications must be received by Wesleyan before December 1. Students are notified of admission decisions within three weeks of the receipt of their completed admission files. Early Decision students who are accepted to West Virginia Wesleyan agree to withdraw applications from all other colleges and submit a non-refundable $200 enrollment deposit by January 31.

For students applying for regular admission, West Virginia Wesleyan processes applications on a rolling basis. Notification letters of admission decisions are sent after November 1. Upon receipt of all required information after November 1, an admission committee reviews applications and notifies applicants of its decisions, normally within three weeks. It is recommended that incoming freshmen apply before March 1.

Transfer Students

Persons seeking to transfer from another accredited college or university may be admitted to advanced standing upon presentation of the following items to the Office of Admission:

1 An application for admission on a form furnished by the College with the $25 fee (non-refundable). The application may also be submitted through the internet (no application fee) from the West Virginia Wesleyan College home page (www.wvwc.edu). Students who visit the campus prior to submitting an application will receive a paper application fee waiver.

2 An official transcript showing all credits attempted at all post-secondary institutions previously attended.

3 A high school transcript certifying graduation and showing courses pursued and grades earned and, if the cumulative college grade point average is less than 2.5, either SAT I or ACT scores.

Wesleyan will accept for transfer credit courses compatible with its academic program. Grades and hours so earned shall count toward graduation. The College accepts no more than 60 semester hours of credit from a junior or community college. Nursing transfer students should refer to the nursing program in this catalog.

Credit for courses taken in non-accredited institutions may be accepted by special arrangement. See Transfer Credit, page 134.

Admission With Associate Degree

Students who transfer to Wesleyan with an associate degree from a regionally accredited community or junior college may be admitted with the degree credited as fulfilling Wesleyan's general studies requirements when the total educational background, including high school record, shows compatibility with Wesleyan's general studies requirements. Deficiencies in general studies requirements, as determined by the Admission and Academic Standing Council, must be satisfied after enrollment at Wesleyan. West Virginia Wesleyan College does not accept more than 60 semester hours of credit from a junior or community college.

Readmission of Former Students

Former students who were in good standing may be readmitted upon completion of the appropriate forms in the Admission Office.

Former students who were not in good standing may seek to be readmitted after meeting the conditions stated at the time of dismissal and upon completion of the appropriate forms. Transcripts of any credits completed at other institutions of higher learning should be filed with the application for readmission, which is available upon request from the Office of Admission.

Other Classifications

International Students

The primary language of instruction at Wesleyan is English. The College offers a program in English as a Second Language (ESL) to assist international students whose primary language is not English. Applicants from abroad will be required to certify their language competency through a TOEFL score of 550 or computer-based TOEFL score of 213, or they may be required to enroll in courses in the ESL program. This program carries an additional fee. Information on required standards and a special application form are available from the Office of Admission.

Alternative Entry Program

The Alternative Entry Program is designed to meet the needs of those persons 25 years of age or older who are interested in pursuing an academic degree program. Alternative Entry credit allows the possibility of life experience and noncollegiate educational credits being applied toward the degree, based on the student's background and work experience. Up to 30 hours of credit may be achieved through the program. Evaluations will be made by the Alternative Entry Program Coordinator. Contact the Academic Affairs Office for more information.

Conditional Admission

At the discretion of the Director of Admission and the Dean of the College, students may be admitted conditionally or on academic probation. All restrictive conditions will be specified at the time of admission. Those who fail to meet the conditions and/or maintain a satisfactory record are subject to dismissal. See the Academic Status section in this catalog for details.

Special Category

Students wishing to take one or more courses without pursuing a degree from Wesleyan must submit a special student application for each semester that they plan to enroll. No student financial aid is available for special category students. Contact the Office of Admission for details.

Advanced Placement By Examination

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Students who have taken and satisfactorily passed college-level courses in high school and who have passed the Advanced Placement Examination of the Educational Testing Service at the level of three or higher may apply to the College for credit or advanced placement in these subjects. These examinations are administered in the spring. Applicants must have results sent to the Office of Admission for verification prior to the fall semester.

Wesleyan accepts credit by examination, including the Advanced Placement Program and the College Level Examination Program (CLEP). Information on credit by examination is available from the Office of the Registrar.

International Baccalaureate Diploma Program

The College recognizes the International Baccalaureate Diploma Program. Students who have successfully completed the IB program and earn a score of four or above on higher-level examinations may apply to the College for credit or advanced placement in the appropriate subjects. These exams are administered in the spring. Applicants must have results sent to the Office of Admission for verification prior to the fall semester.

Expenses and Financial Aid

Expenses

Application Fee

The paper application fee for admission is $25. Students who visit the campus prior to submitting an application will receive an application fee waiver. There is no charge to apply for admission online.

Enrollment Deposit

All new students, including freshmen, transfers and former students who have been readmitted, shall make an enrollment deposit with the Office of Admissions in the amount of $200. This deposit will be treated by the Business Office as an advance payment against the student account. The deposit may be refunded to prospective students who notify the College in writing of withdrawal not later than May 15. Students who deposit under the Early Decision Program will not receive a refund of the enrollment deposit.

Orientation Fee

To cover the cost of the Orientation program, each new student pays a fee of $150, which covers the cost of all family meals.

Estimate of Expenses

2002-2003	Fall Semester	Spring Semester	Year
Tuition	$8,950	$8,950	$17,900
Activity Fee	100	100	200
Information Technology Fee	600	600	1200
Accident & Sickness Insurance*.	175	0	175
Room (Double Occupancy)	1,215	1,215	2,430
Board (20 Meal Plan)	1,195	1,195	2,390
Total	**$12,235**	**$12,060**	**$24,295**

*Unless waiver provided by September 7, 2002.

This estimate does not include miscellaneous fees, books, travel, clothing, amusements, and other personal expenses. Consult the Business Office for a complete schedule of fees and charges.

The College reserves the right to change any of the charges at any time.

Tuition

Academic Year: The tuition charge (2002-2003) is $8,950 per semester for all students carrying 12 through 17 credit hours of work. For students carrying 9 through 11 credit hours of work, the charge is $750 per credit hour. For those carrying 1 through 8 credit hours, the charge is $320 per credit hour. For each credit hour carried in excess of 17, the charge is $375.

May and Summer Terms: The tuition charge for courses taken during May and Summer Terms is $320 per credit hour.

M.B.A. Program: The tuition charge for graduate study in the M.B.A. program is $360 per credit hour.

Miscellaneous Fees

Students enrolled in certain courses or programs may be assessed special fees to cover unique expenses. Consult the Business Office for a complete schedule of fees and charges.

Accident and Sickness Insurance: Accident and sickness insurance is required for all students unless they submit a Student Waiver Card showing that they are covered by medical insurance. The annual cost is $175. (See Health Services on page 138.)

Activity Fee: Full-time students are assessed an activity fee of $100 per semester for the fall and spring semesters.

Applied Music Fee: For individual instruction in music the charge is $175 per credit hour.

Auditors: Auditors pay $200 for any undergraduate course audited. However, if an audited course does not constitute an overload for a full-time student, no audit fee is required. If any portion of the course audited represents an overload, the full fee of $200 shall be due. Auditors pay $150 per credit hour for any M.B.A. course audited.

Automobile Registration Fee: The automobile registration fee is $50 per year.

Breakage and Damage to Property: A charge will be made to cover the cost of equipment broken in laboratories.

A charge will be made to cover any damage done to College property beyond the wear caused by normal and proper use thereof. Damage in College housing not chargeable to an individual will be shared by occupants of the residence hall, floor, or other designated area.

Credit by Examination: The fee for all types of credit by examination is $150 for each examination. Fees are not refundable.

English as a Second Language Program: For enrollment in English as a Second Language courses the charge is $150 per credit hour.

Graduation and Diploma: During the registration period for the semester or summer term in which students complete requirements for a degree, they will pay a graduation and diploma fee of $125.

Information Technology Fee: A fee of $600 per semester is charged to all full-time students.

Late Application for Degree: A charge of $50 is made for any application for a degree filed less than 12 months prior to anticipated completion of degree requirements.

Late Pre-Registration: A charge of $50 is made for failure to pre-register by the designated date for any term of enrollment.

Late Registration: A charge of $100 is made for failure to register by the designated final registration day for any term of enrollment.

Lindamood-Bell™ Reading Program: Wesleyan's LBP Reading Program is offered on a fee-for-service basis.

4 hours of full clinical instruction per week includes one-on-one instruction plus 1 to 2 hours of guided independent application.

($2,400 per semester)

3 hours of full clinical instruction per week includes one-on-one instruction plus 1 to 3 hours of guided independent application.

($1,800 per semester)

2 hours weekly of application clinical instruction includes applying clinical skills to specific course work in one-on-one instruction plus 1 to 2 hours of guided independent application.

($1,200 per semester)

1 hour weekly of application clinical instruction includes applying clinical skills to specific course work in one-on-one instruction plus 1 to 2 hours of guided independent application.

($600 per semester)

May and Summer Terms: All students enrolled in May and Summer Terms will be billed $320 per credit hour for tuition. Only students registered in a course will be permitted to live on campus.

New students enrolling for and living on campus during May Term will be billed prorated room and board for that term.

Room Deposit: Enrolled students who plan to live in College housing the following year shall pay a room deposit in the amount of $50 not later than the last day of spring

semester exams each year. This deposit will apply toward the student's account for the following semester. This deposit may be refunded if the student notifies the College in writing not later than July 1 that he or she is withdrawing from college.

Teacher Education Fee: All students in teacher education will pay a $160 fee for the semester in which they do student teaching.

Transcripts: A charge of $5, payable in advance, is made for each transcript. An application for a teacher's certificate completed by the College constitutes a transcript.

Terms of Payment

Students will be billed in advance of each semester by the Business Office for tuition, fees and other applicable charges. Account balances must be paid in full before each enrollment period OR arrangements must be made to pay via one of the College's payment plans. These plans allow charges to be spread over nine, ten, eleven, or twelve equal monthly payments. Mastercard, Visa and Discover card will also be accepted.

This payment policy is intended to provide a means of assisting in financing and arranging payment on the student account after awarded financial aid has been applied.

Students with unsettled accounts will not be permitted to register.

Students are not eligible to receive transcripts of credits or diplomas until all charges are paid in full.

Refunds

Funds in excess of institutional costs are refunded to the student after the schedule change period and must be requested in writing. Refunds are subject to the following regulations:

1 For a student withdrawing from the College because of illness, or for other reasons approved by the College, the following refund schedule will be used:

Fall and Spring Semesters

Within 2 weeks.....80% of tuition refunded
2 to 4 weeks .....60% of tuition refunded
4 to 6 weeks .....40% of tuition refunded
After 6 weeks.....No refund

May Term & Summer Term

Within 3 class days.....80% of tuition refunded
4 to 6 class days.....60% of tuition refunded
7 to 9 class days.....40% of tuition refunded
After 9 class days.....No refund

(Students making schedule changes moving them from full-time to part-time

status or reducing their part-time load after the first five days of a semester or the first two days of a summer term will receive refunds of the difference in tuition charges according to the schedule listed above for withdrawal from the College.)

2 A student withdrawing from the College during a semester or summer term for any reason other than those stated in 1 above will receive no refund of tuition charges.

3 A student withdrawing from the College during a semester or summer term will receive no refund of charges for room or mandatory fees.

4 A student withdrawing from the College during a semester, May Term or summer term, for any reason, will be refunded a part of the charges for board proportionate to the number of days of the semester or summer term remaining after the meal ticket is surrendered.

5 A student dismissed for disciplinary reasons will receive no refund of any charges, except for board, as provided under 4 above.

6 A student asked to vacate a residence hall room for disciplinary reasons will receive no refund of charges for room.

Refunds of financial aid for students withdrawing prior to completing the term or reducing credit hours to below full-time status are in accordance with institutional policy and certain federal and state regulations.

The Higher Education Amendments of 1998 mandate a refund policy which states that if a recipient of Title IV aid (Federal Pell Grant, Federal SEOG, Federal Perkins Loan, Federal Direct Stafford Loan—subsidized and unsubsidized, Federal Plus Loan) withdraws during a period of enrollment, the institution must calculate the amount of Title IV aid the student did not earn and return those unearned funds to the Title IV programs. Refunds of institutional, state, or outside source aid will be according to the refund schedule published in the school catalog using the official date of withdrawal.

Students wishing to withdraw officially from the College must submit a written request to the Dean of Students. The Withdrawal Form establishes the official withdrawal date to be used by both the Business and Financial Planning offices for the calculation of unearned Title IV aid, retained charges, and distribution of refunded aid. If a student does not officially withdraw, the last documented date of academically-related activity will be used for the refund calculations. For details or examples, students should contact the Office of Financial Planning.

All refund calculations take into account any unpaid institutional charges, the length of the enrollment period, all of the student's educational costs for the enrollment period, and amounts paid toward institutional charges (including financial aid and cash paid by student). Federal workstudy earnings are never included in the calculation, and only the loan amounts actually received are used.

Scholarships and Student Financial Aid

Financial aid at West Virginia Wesleyan College is available on the basis of scholastic achievement, special talents and abilities, and financial need. Awards are given for a period of one academic year, beginning in August. Students must reapply for all financial assistance each year.

More detailed information is available from the Financial Planning Office or Admission Office. The following describes general guidelines and resources.

Requirements governing eligibility to receive financial aid: An applicant must be enrolled as a full-time student and must maintain satisfactory academic progress to remain eligible for institutionally funded aid. Recipients of federal Title IV aid must also maintain satisfactory progress but may be enrolled less than full time. Total institutional assistance cannot exceed billed costs (tuition, fees, room, board). For financial aid purposes, fraternity housing has the same cost budget as on-campus housing.

To determine satisfactory academic progress (ability to complete a baccalaureate degree as a full-time student in five years), the following progress scale will be used:

Semesters Completed	1	2	3	4	5	6	7	8	9	10
Minimum Hours Earned	12	24	36	48	60	72	84	96	108	120
Minimum Cumulative GPA	1.60	1.75	1.80	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Merit and performance-based awards have additional requirements for eligibility and renewal.

The Office of Financial Planning will notify students not making satisfactory academic progress for renewal of financial aid after grades are finalized each academic year in May. If students wish to appeal a decision, they must file a letter describing special circumstances with the Director of Admission and Financial Planning within 15 days of the notification of unsatisfactory academic progress. Although Wesleyan will send notification to students, students are fully responsible for monitoring their own academic progress for continued financial aid eligibility. Students should compare their grade report at the end of each semester to the standards of the academic progress policy. If enrollment falls below full time (12 hours per semester), financial aid awards may be canceled or reduced and academic progress may be affected.

A grace period of one year will apply to all incoming students with merit awards who do not meet the specific renewal criteria for their merit awards. Students who do not achieve the required cumulative GPA after the grace period will receive need-based awards for which they qualify.

Grade levels for federal loans will be consistent with institutional classification according to credit hours earned:

	Freshman	Sophomore	Junior	Senior	Fifth Year
Credit Hours Earned	0-29	30-59	60-89	90+	
Grade Level	1	2	3	4	5
Loan Amount	$2,625	$3,500	$5,500	$5,500	$5,500

Procedure to follow when applying for financial aid: (1) When first applying, complete the West Virginia Wesleyan Application for Admission and return it to the Admission Office. (2) Carefully complete the Free Application for Federal Student Aid (FAFSA) and submit it before March 1 to receive primary consideration from available resources.

General information: Financial aid awards for entering students are announced beginning in March; awards for returning students with completed forms are made in May. Renewal forms are made available to returning students in advance of scheduled deadlines.

The College will credit any funds received to the student's account until all institutional charges have been paid, subject to program limitations. Grants, scholarships, and loans will be credited to the student's account (half each semester or as stated); student work earnings will be paid to the student by check on the fifteenth day of the month following the month worked. Federal regulations governing Title IV programs require that financial information for selected applicants be verified before funds can be credited to a student. If selected for verification, students and parents will be notified and given 60 days to provide required documentation and complete the process.

Scholarships

Presidential and Academic Scholarship Program: To recognize significant academic achievement and extracurricular involvement, scholarships are awarded to outstanding freshmen and transfer students. Students meeting the academic criteria will be awarded scholarships beginning at $10,000 per year. These are renewable scholarships based on high academic performance and extracurricular involvement. Information on the application process, required standards, and renewal requirements is available from the Office of Admission.

Leadership Awards: $7,000 renewable awards are made to students who demonstrate strong leadership capabilities or dedication to community service.

Performing Arts Scholarships: These $1,000-$4,000 renewable awards recognize superior contributions to the campus in music, theatre and dance. Candidates must audition on campus before March 15. Candidates do not need to be music or theatre majors to be elligible for consideration.

Visual Arts Scholarships: These $1,000-$4,000 renewable awards recognize superior contributions to the campus in art. Candidates must be a declared major in art and must bring a portfolio to campus before March 15.

Athletic Scholarships: These recognize achievement in intercollegiate athletics. Awards begin at $500.

Legacy Scholarships: Awards of $1,000 per year, renewable for four years, are made to eligible dependents of Wesleyan graduates who have been accepted for admission as freshmen. Eligibility is based on information provided on the admission application. The combination of a Legacy Scholarship and other College-funded financial assistance cannot exceed annual tuition cost.

Bonner Community Service Scholarships: In partnership with the Corella and Bertram F. Bonner Foundation, Wesleyan offers 15 need- and merit-based awards to entering freshmen who demonstrate outstanding dedication to community service. Candidates must complete the application process and file the Free Application for Federal Student Aid before March 1. On-campus interviews are required for consideration.

United Methodist Ministerial Dependent Grants: These provide one-half of direct costs at Wesleyan for unmarried dependent children (under age 23) of the following members of the West Virginia Conference of The United Methodist Church: full-time ordained ministers, full-time local pastors with at least three years of service, diaconal ministers, and conference missionaries. The United Methodist Ministerial Grant is also available for unmarried dependent children (under age 23) of full-time ordained ministers in other United Methodist conferences.

Wesleyan Grants: These awards assist full-time applicants who show financial need.

National United Methodist Scholarships: The Board of Higher Education and Ministry of The United Methodist Church annually awards several West Virginia Wesleyan students (usually upperclassmen) scholarships of $500 to $750 each. In order to qualify, a student must meet the general requirements for admission to the College, have been a member of The United Methodist Church for at least one year prior to date of application, be outstanding in Christian motive and purpose, and rank high in scholarship. National United Methodist Scholarships may be renewed, subject to the same conditions as govern original awards. Funds for this program come from the annual Methodist Student Day offering for the Student Loan and Scholarship Fund.

Restricted Scholarships: Various special and restricted scholarships have been established at Wesleyan. These vary in amount and are awarded according to specific criteria of the donors.

The Mason Crickard Scholarship: The Greater Kanawha Valley Foundation, a non-profit, charitable foundation located in Charleston, West Virginia, awards scholarships from a trust established by Mason Crickard, Wesleyan Class of 1907. The recipients of these competitive grants are students who demonstrate good character, scholastic ability, and leadership potential. In accordance with the provisions of the will establishing the fund, preference is given to residents of Randolph County, Upshur County and the area comprising The Greater Kanawha Valley in West Virginia. Award amounts depend, in part, on the demonstrated need of the recipient. Application information may be obtained from The Greater Kanawha Valley Foundation or the Office of Admission.

Grants

Various grants for educational support are available to qualified students from state and federal sources or are awarded by the College to students manifesting special talents or abilities.

Program Leadership Grants recognize and support student leadership in co-curricular programs of the College, including chapel, publications, and radio.

Federal Pell Grants are made available by the federal government to eligible undergraduate students with financial need. Eligibility is determined by filing the Free Application for Federal Student Aid.

Supplemental Educational Opportunity Grants are awarded annually by the College under a federal program to undergraduate students with exceptional financial need. The grants range from $200 to $4,000.

State Grants are available from various states for use at Wesleyan. All students should inquire into this possibility. West Virginia, Pennsylvania, Delaware, Maryland, Rhode Island, and Vermont are states whose residents may receive a state grant to attend Wesleyan. West Virginia residents should be sure that need analysis forms are submitted before March 1 and that high schools supply grade report forms to the West Virginia Higher Education Grant Program.

Student Employment

Work opportunities for students are available in almost all areas of the College. The federal minimum hourly wage is paid. Financial need is not the only criterion, but a financial aid form is recommended for placement. West Virginia Wesleyan participates in the Community Service Learning Program. Federal funds are available for performing work which primarily benefits the community as defined by the Department of Education. These jobs may be on or off campus.

Loans

Educational loans offer the possibility of meeting college costs with borrowed money, to be paid back after graduation, usually with favorable repayment terms. Because of periodic revisions in federal programs, students should inquire for more specific information about such loans.

Federal Perkins Loans offer up to $4,000 per year from available federal funds for students with exceptional financial need.

Federal Direct Loans are intended to make loan money available to students enrolled at least half time in college. Loan amounts are $2,625 for the first year, $3,500 for the second year, and $5,500 for the next three years. Repayment at a favorable interest rate begins six months after the borrower ceases to attend college. Direct Loans may be subsidized or unsubsidized according to the need as determined by the Free Application for Federal Student Aid. The College will certify the cost, financial aid received, and the calculated family contribution to determine the loan amounts for which the borrower is eligible.

Federal Direct PLUS Loans assist families and independent students to assume financial responsibility for their own college education. A parent or independent student may borrow the difference between total cost of education less financial aid, with repayment beginning within 60 days for parent borrowers. Students whose parents have been denied a PLUS Loan are eligible to borrow up to $4,000 for the first two years, and $5,000 thereafter. Students are responsible for the interest, but payments are deferred while they are enrolled at least half time.

United Methodist Student Loans, for up to $1,500 per calendar year, are made available by the Board of Higher Education and Ministry to eligible United Methodist students through the College Financial Planning Office. For students to be eligible, they must have been official members of the United Methodist Church for at least one year.

Institutional Loan Funds have been established by donors wishing to assist Wesleyan students to fulfill their educational goals. These monies are administered by the Director of Admission and Financial Planning.

Other Sources of Funds

Students are urged to explore scholarships from local fraternal organizations, parent-teacher associations, church-related groups, businesses, corporations, veterans' associations, or other funding agencies

Register

Administrative Officers and Staff

President of the College

President of the College ..... William R. Haden, M.A., LL.D.
Executive Assistant ..... Linda J. Hicks, A.A.
College Counsel ..... David W. McCauley, J.D.
Director of Institutional Research ..... Tammy J. Crites, M.B.A.

Vice President for Academic Affairs

Vice President for Academic Affairs and
Dean of the College .....
Associate Dean ..... Shirley D. Fortney, Ed.D.
Executive Assistant ..... Mary McCoy, B.A.
Director of Special Programs ..... G. Mark DeFoe, Ph.D.
Director of Academic & Career Services / Registrar ..... Alice J. Leigh, B.S.
Assistant Director of Academic & Career Services ..... Tammy J Frederick, M.B.A.
Academic & Career Advisors ..... Timothy L Channell, B.A.;
Barbara Morrissette, B.A.
Credentials Analyst/Academic Advisor ..... Lynda S. Bowers
Registration Assistant ..... Pamela K. Gillespie, B.S.
Director of the Honors Program ..... James M. Beeby, Ph.D.
Assistant Director ..... Devon McNamara, Ph.D.
Director of Library Services ..... Kathleen A. Parker, M.L.S.
Head of Reference and Bibliographic Services ..... Paula L. McGrew, M.A.L.S.
Head of Cataloging ..... Judith R. Martin, M.A., M.S.L.S.
Serials Coordinator ..... Carol A. Smith, B.A.
Circulation Supervisor ..... Elizabeth S. Rogers, B.A.
Acquisitions and Media Services Supervisor ..... Carol M. Bowman, M.L.I.S.
Assistant for Library Electronic Access ..... Richard D. Manspeaker, B.Mus.
Audiovisual Coordinator ..... Gerard A. Donahue, B.S.
Director of the M.B.A. Program ..... Jeffrey L. Godwin, Ph.D.
RN/BSN Completion Plan Technical Coordinator ..... Shauna L. Aurelio, M.S.N.
Coordinator of the Writing Center and E.S.L. Programs ..... Nancy B. Porter, M.S.

Vice President for Student Affairs

Vice President for Student Affairs and
Dean of Students ..... Trina A. Dobberstein, Ph.D.
Executive Assistant ..... Helen K. Mellquist

Director of Academic & Career Services/Registrar .....Alice J. Leigh, B.S.
Assistant Director of Academic & Career Services.....Tammy J Frederick, M.B.A.
Academic & Career Advisors .....Timothy L Channell, B.A.; Barbara Morrissette, B.A.
Credentials Analyst/Academic Advisor .....Lynda S. Bowers
Director of Counseling and Wellness .....Michael Kuba, M.A.
Director of the Student Health Center .....Lisa A. Hinkle, B.S.N., R.N.
Director of Housing and Residence Life .....Kimberly Jones, M.S.
Residence Life Coordinators.....Meeghan Trumbull, B.A.
Director of the Bonner Scholars Program.....LeeAnn Fraser Brown, B.A.
Director of Security.....Tom L. Wingler
Director of Campus Activities and Summer Conferences.....Alisa M. Lively, M.A.
Director of Intercultural Relations/
International Student Advisor .....Tamara Denmark, M.A.
Coordinator of Greek Affairs and Intramurals Director .....John K. Bohman, M.A.T.
Coordinator of Outdoor Recreation.....
Director of Athletics.....George A. Klebez, D.Phys.Ed.
Athletic Training Director.....Jean Fruh, M.S.
Athletic Trainers .....Rae L. Emrick, M.S., A.T.C.; Tammie J. Hammon, M.S., A.T.C.; Jeremy S. Sibold, M.Ed., A.T.C.; Wanda S. Swiger, M.Ed., A.T.C.
Baseball Coach .....Randall L. Tenney, M.A.T.
Men's Basketball Coach.....Charles E. Miller, M.A.
Women's Basketball Coach.....J. Nikki Hall, B.S.
Football Coach.....William Struble, M.A.T.
Golf Coach .....John D. Barbour, B.S.
Men's Soccer Coach .....Gavin D. Donaldson, M.S.
Women's Soccer Coach .....Anthony J. James, M.B.A.
Softball Coach.....Stephen M. Warner, B.S.
Swimming Coach.....Denton E. Quick, B.S.
Men's Tennis Coach .....
Women's Tennis Coach .....
Track and Cross Country Coach.....Jesse F. Skiles, B.A.
Women's Volleyball Coach .....Michael E. Burch, M.S.
Director of Student Academic Support Services .....Shawn M. Kuba, M.A., M.S.
Comprehensive Advisors .....Suzanne K. Haas, M.A.; Kristi Mason, M.A.
Lindamood-Bell™ Reading Clinicians.....Carolyn S. Mallory, M.Ed., Rebecca Gurdak, B.A.

Vice President for Finance

Vice President for Finance
Vice President for Finance and Treasurer .....Stephen W. Jones, B.B.A.
Executive Assistant.....Deborah K. Mullens, A.A.S.
Director of Accounting and Financial Reporting.....Randall W. Crites, M.B.A.
Manager of the Business Office .....
Director of Purchasing and Postal Services .....Stephen M. Benson, B.M.E.
Director of Personnel .....Vickie J. Crowder, M.B.A.
Director of the Bookstore and Convenience Store
(Barnes and Noble).....Jennifer Haught, B.A.

Director of the Physical Plant (Sodexho Marriott Services).....Jerry Tuggle, B.S.
Director of Dining Services (Aladdin) .....Susan B. Locke, M.S.

Vice President and Chief Information Officer

Vice President and Chief Information Officer .....R. Duwane Squires, M.S.
Manager of Computer Operations.....Edwin P. Andrew, B.S.
Telecommunications Engineer.....Neil K. Roth, B.S.
Computer Help Desk Supervisor.....Robert A. Burch, B.S.
Programmer.....Jonathan S. Andrew, B.S.
Computer Application Support Specialist .....M. Sue Roth, M.A.T.
Instructional Technology Specialist.....Karen R. Petitto, M.Ed.
Network Specialist .....James C. Poling, B.S.
Technical Support Specialist .....David T. Brown, B.S.

Dean of the Chapel

Dean of the Chapel .....Angela Gay Kinkead, M.Div.
Assistant to the Dean of the Chapel.....Kimberly Murphy, B.A.

Vice President for Advancement

Vice President for Advancement .....Peggy J. Cooning, B.A.
Executive Assistant .....Molly S. Patterson
Director of Development Operations .....Rose Ellen Loudin
Associate Director of Annual Giving.....Cynthia M. Martin, B.A.
Advancement Associate.....Kent H. Carpenter, M.Ed.
Director of Gift Planning .....J. Brooks Jones, B.A.
Director of Foundation and Government Support/
Advancement Editor.....Beverly Davis, M.B.A.
Director of Corporate and Community Relations .....Stephen E. Foster, B.A.
Associate Director of Advancement/Parent Relations .....David K. Ford, B.S.
Director of Alumni Relations .....William R. Fahrner, M.B.A.
Coordinator of Emeritus Club Activities .....Harold T. Elmore, M.Div.
Director of Marketing and Communications.....Ryan J. Morabito, M.B.A.
Assistant Director of Marketing & Communications/
Design Services .....Rochelle L. Long, B.A.
Webmaster .....Peter W. Galarneau Jr., B.A.

Director of Admission and Financial Planning

Director of Admission and Financial Planning.....Robert N. Skinner, M.A.
Senior Financial Planning Coordinator.....Lana M. Golden, M.A.
Associate Director of Admission and
Financial Planning.....Matthew A. Martin, B.A.
Assistant Directors.....Wanda L. Donahue, B.S.; Elizabeth A. Lampinen, M.A.;
Keith A. Moran, M.S.; Jennifer J. Simmons, B.A.
Admission Counselors.....Joshua L. Ray, John R. Waltz, B.A.
Financial Planning Counselors .....Kimberly A. Crites, B.S.; Carla S. Strawn

Board of Trustees

The board member's term expires in May of the year given in parentheses.
Joseph S. Beeson '68, *Chairperson*, Charleston, WV (2006)
Patricia A. Jarvis, *First Vice Chairperson*, Lewisburg, WV (2003)
Harvey P. White '55, *Second Vice Chairperson*, San Diego, CA (2004)
William O. Goodwin, *Third Vice Chairperson*, Atlanta, GA (2005)
Alfred L. Moye '60, *Fourth Vice Chair*, San Mateo, CA (2005)
John R. Campbell '59, *Secretary*, Huntington, WV (2006)

Elected Members

Robert L. Allman '69, Pittsburgh, PA (2003)
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Roger B. Brown '63, Jacumba, CA (2004)
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K.C. Caldabaugh '68, Ponte Vedra Beach, FL (2003)
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Charles W. Furbee III '64, Naperville, IL (2004)
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Robert P. Hartley, Ripley, WV (2006)
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David Jasper, Fairmont, WV (2004)
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Charlotte R. Nath '68, Morgantown, WV (2004)
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David E. Reemsnyder II '69, Blacksburg, VA (2003)
Herschel H. Rose III, Charleston, WV (2005)
Vance P. Ross '79, Hyattsville, MD (2004)
Joseph M. Shreve '74, Williamstown, WV (2004)
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John W. Swan '60, Hamilton, Bermuda (2005)
Gytha L. Von Aldenbruck, Jensen Beach, FL (2006)
William H. Wilson '72, Huntington, WV (2006)

Ex Officio Members

Resident Bishop of the West Virginia Area, **S. Clifton Ives,** Charleston, WV
Resident Bishop of the Pittsburgh Area, **Hae-Jong Kim,** Cranberry Township, PA
President of the College, **William R. Haden**
President of the College Alumni Council, **Mary Jean Krupowicz '71,** Paoli, PA
Chairperson of the College Faculty Assembly, **Boyd Creasman**
President of the College Community Council, **James Phillips '03**

The Faculty

The year of the faculty member's initial appointment is given in parentheses.

Shauna L. Aurelio, *Associate Professor of Nursing* (1998). B.S.N., Alderson-Broaddus College; M.S.N., West Virginia University.

Arminta T. Baldwin, *Professor of English* (1966). A.B., Glenville State College; M.A., West Virginia University.

James M. Beeby, *Assistant Professor of History* (2000). B.A., University of Wales, United Kingdom; M.A., Ph.D., Bowling Green State University.

D. Scott Bellamy, *Associate Professor of Economics* (1999). B.S., University of Tennessee; M.B.A., East Tennessee State University; M.A., Ph.D., University of Kentucky.

Michael L. Berry, *Professor of Mathematics* (1966). B.S., West Virginia Institute of Technology; M.A., Pennsylvania State University.

Rebecca Bliesner, *Assistant Professor of Chemistry* (2001). B.S., Eastern Oregon State College; Ph.D., Oregon State University.

Kwame A. Boateng, *Associate Professor of Political Science* (1994). University Teacher's Diploma, University College of Education, Winneba, Ghana; B.S. Ed., M.S., Ph.D., University of Tennessee, Knoxville.

Robert S. Braine, *Professor of Health and Physical Education* (1969). B.S., Lock Haven State College; M.A.T., University of North Carolina; Ed.D., West Virginia University.

Barbara Burgess-Lefebvre, *Assistant Professor of Dramatic Arts and Director of Theatre* (2000). B.A., Potsdam College; M.F.A., Illinois State University.

Deborah K. Bush, *Educator in Residence* (2000). B.A., West Virginia Wesleyan College; M.A., West Virginia College of Graduate Studies.

Richard S. Calef, *Professor of Psychology* (1970). B.A., University of Bridgeport; M.A., Ph.D., Southern Illinois University.

Ruth A. Calef, *Associate Professor of Psychology* (1971). B.A., North Central College; M.A., Ph.D., Southern Illinois University.

Marvin H. Carr III, *Associate Professor of Christian Education* (1974). B.S., M.A., West Virginia University; B.D., Duke Divinity School; S.T.M., Union Theological Seminary; D.Min., Methodist Theological School of Ohio.

Michael C. Choban, *Associate Professor of Psychology* (1982). B.A., West Virginia Wesleyan College; M.A., Ph.D., West Virginia University.

Richard C. Clemens, *Associate Professor of Computer Science* (1977). B.B.A., Ohio University; M.B.A., Bowling Green State University.

Carl M. Colson, *Professor of Biology* (1969). B.S., University of Nebraska; Ph.D., University of Florida.

Hobert H. Corley, Jr., *Visiting Instructor in Mathematics* (2001). A.A., Potomac State College; B.A., M.S., West Virginia University; M.S., Ohio University, Athens.

Boyd H. Creasman, *Professor of English* (1990). B.A., Middle Tennessee State University; M.A., Ph.D., Florida State University.

Stephen E. Cresswell, *Professor of History* (1986). B.A., University of Virginia; M.A., M.L.S., Catholic University; Ph.D., University of Virginia.

Margaret E. Davis, *Assistant Professor of Art* (1997). B.F.A., West Virginia University; M.F.A., James Madison University.

Caroline L. Dees, *Associate Professor of Music* (1969). A.B., Tift College; M.M., University of Kentucky, M.L.I.S., University of South Carolina.

G. Mark DeFoe, *Professor of English and Director of Special Programs* (1975). B.S., M.A., Oklahoma State University; Ph.D., University of Denver.

Michael B. Ervin, *Associate Professor of Business* (1993). B.S.B.A., West Virginia University; M.Acc., University of Denver; M.S. in Taxation, University of Hartford; C.P.A.

A. Scott Fleming, *Assistant Professor of Business* (2000). B.S., M.B.A, West Virginia University; C.P.A., C.M.A.

Shirley D. Fortney, *Associate Professor of Education and Associate Dean of the College* (1992). B.A., Fairmont State College; M.A., Marshall University; M.A., West Virginia College of Graduate Studies; Ed.D., Virginia Polytechnic Institute and State University.

Russell H. Francis, *Visiting Assistant Professor of Accounting* (2001). B.S., M.B.A., Indiana University of Pennsylvania; C.P.A..

Jean M. Fruh, *Assistant Professor of Physical Education and Athletic Training* (1984). B.S., M.S., Springfield College; A.T.C.

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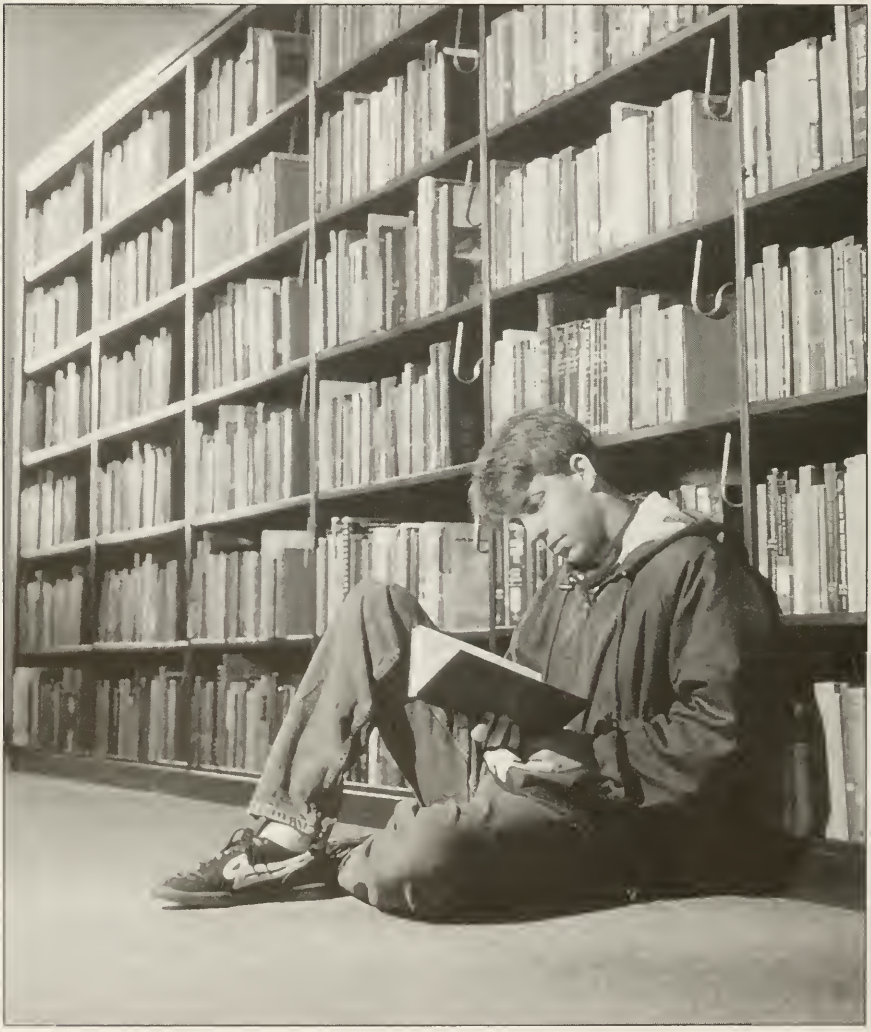

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